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"CHEMICUS, CANNON, LONDON."
[Charged as two words only.]

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DECEMBER 23, 1916.

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Norwegian
Cod Liver Oil

Chemical
Food

Malt
Extract

Cod Liver Oil EMULSION

Inquiries invited for samples
and terms.

A distinct style of label can
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in his locality.

ALLEN & HANBURY, S, Ld.
LONDON.

Extract of
Malt and
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Compound
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Your Strongest Ally

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It brings you repeat sales, regular
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in the New Year.*

WRIGHT, LAYMAN & UMNEY, LTD., SOUTHWARK, S.E.

Adeps Lanæ B.P.

Superfine British Lanolin.

BRITISH CAPITAL AND CHEMISTS.

BRITISH LABOUR AND MATERIALS.

Expert Opinions of Interest.

From "The Lancet," Nov. 11, 1916.

We have carefully examined this specimen of Lanolin, and we find it **ANSWERS ALL THE REQUIREMENTS OF THE BRITISH PHARMACOPEIA**. According to our examination it contained only 0.14 per cent. of moisture and 0.08 per cent. of mineral matter. These results **ARE A LONG WAY BELOW THE LIMITS SET OUT IN THE OFFICIAL DEMAND**. Further, we found that its acidity in terms of Oleic Acid was only 0.42 per cent., against a presumable limit of 0.7 per cent. It has been pointed out that in the test for acidity in the British Pharmacopœia it is recommended to make a solution in ether of 0.2 gramme for titration with N/10 alkali, which would place the limit of free (oleic) acid at 7 per cent. It is an obvious slip; a solution should be made of 2 grammes, and then the limit becomes 0.7 per cent. This matter is of some importance, as any increase in the amount of free fatty acid in Lanolin is opposed to its values as a basis in many directions.

From "The Chemist and Druggist," Oct. 21, 1916.

BRITISH LANOLIN.—We have had the opportunity of examining specimens of adeps lanæ B.P. and adeps lanæ hydrosus B.P., manufactured by the London Pharmaceutical Refiners, Ltd., Martin's Yard, Endwell Road, Brockley, S.E., whose sole selling agents are the Produce Brokers Co., Ltd., 24-28 St. Mary Axe, London, E.C. The product is an interesting example of the success that follows British method and thoroughness, for the London Pharmaceutical Refiners, Ltd., have perfected their process of manufacture from British material, so that the adeps lanæ produced not only conforms with the requirements of the British Pharmacopœia, but is indistinguishable from adeps lanæ which had been imported from Germany for many years. The characteristics of the product accord with the characters and tests of the British Pharmacopœia, except that in one or two respects the L.P.R. product is superior. For instance, the amount of free acids permitted by the B.P. is almost double that contained in the L.P.R. product, and it is notable that this is quite free from objectionable woolly odour. Adeps lanæ is put up in 23 lb., 56 lb., and 1 cwt. kegs, as well as 3½ cwt. barrels. The manufacturers and agents supply it only in wholesale quantities, but the leading wholesale druggists hold stock, and can supply either the anhydrous or hydrous form.

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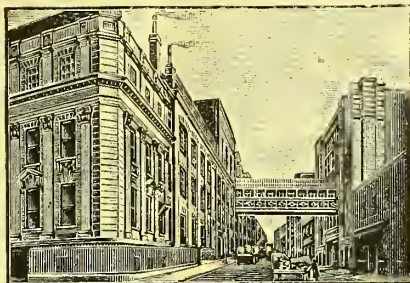
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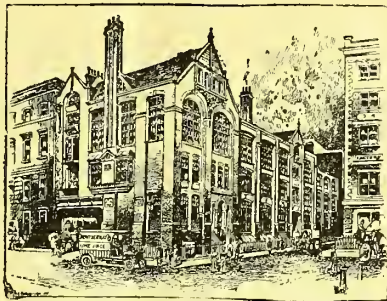
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and greatness.*



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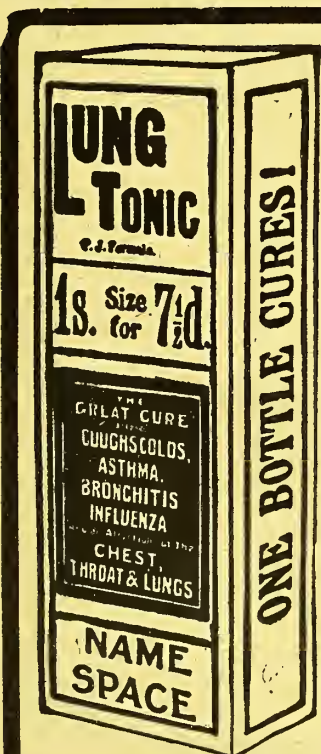
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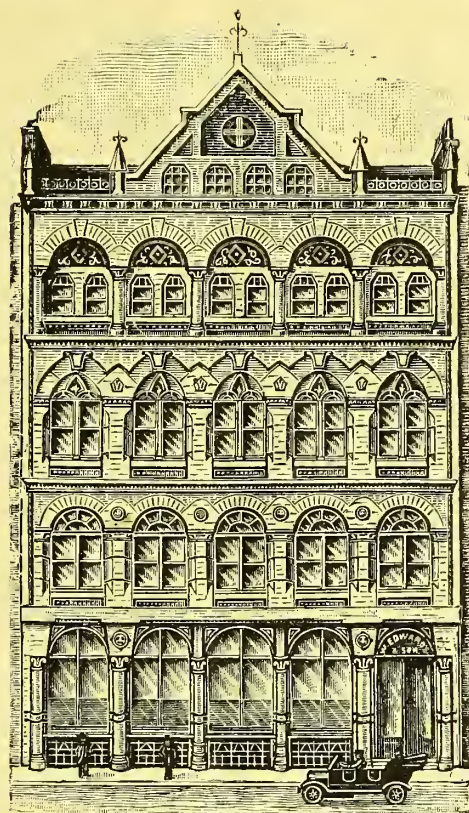
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during 1917.

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Druggists' Sundries

that will help you to get best results during the New Year.

*We extend to all our friends
Best Wishes for Prosperity
in 1917.*

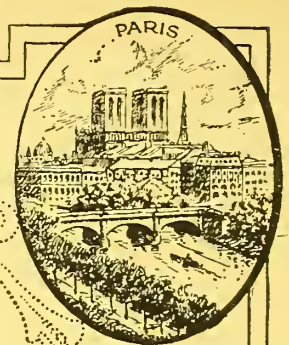
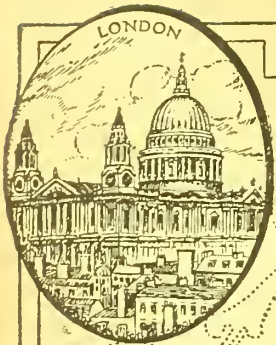
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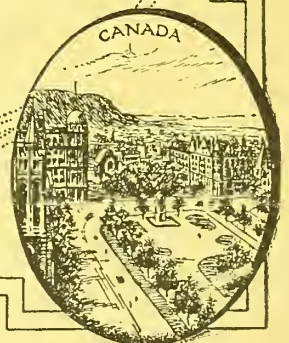
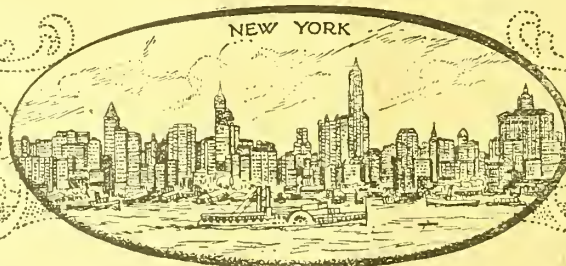
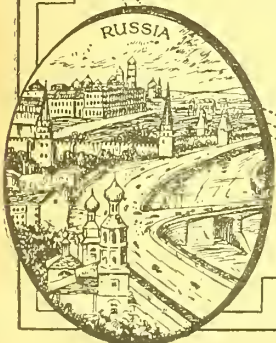
December 1916

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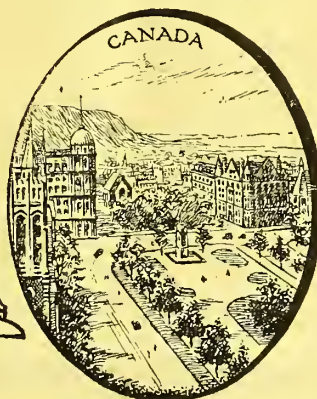
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Muriate
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Puriss
Cream of Tartar
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Salol
Sugar of Milk
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Theobromine
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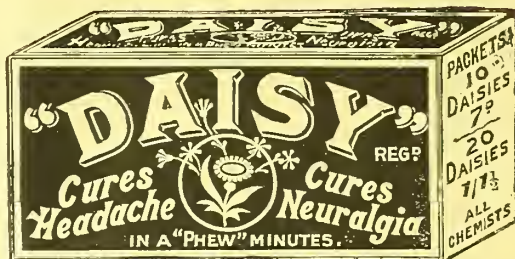
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80 Maiden Lane.

THE 1917 MASCOT FOR CHEMISTS.



In these nerve-racking times "DAISY" is more popular than ever for soldier and civilian. The Chemist finds a steady demand, and the profits on the sales make "DAISY" well worth handling. There is always abundant advertising to the public to assist the Chemist. Increased orders for "DAISY" mean Increased Prosperity in the New Year.

DAISY LTD., LEEDS.

Telegrams: "DAISY LEEDS."

Sixty-two.

Week by week, much in the same way as an enthusiastic motorist watches his speedometer recording the annual mileage, we have noted the number of *new* lines produced by this House since the first of January.

They number sixty-two.

It is a remarkable record of a remarkable year. Think of the almost insurmountable difficulties we have had to overcome, and then turn those figures over in your mind. Sixty-two!

We commenced the present year with "Parex" (Regd.) Dental Cream, an addition to the rapidly growing and increasingly popular series of toilet preparations.

This dental abstergent was followed by "Parex" Perfume Sachets, Carnation Talcum Powder, and Beauty Leaflets, all high-class products.

In a different sphere, but in the same category as regards quality, "Parex" Rubber Sheetings and Water Pillows have also been introduced during the last few months.

We have enjoyed the same activity in many other directions. The "Eugenic" Milk Sterilizer is a case in point. We have recently improved this line, and the specially made bottles, the shortage of which handicapped our supplies at first, can now be obtained in practically unlimited quantities.

Another familiar name—"Vel-fin" (Regd.)—has enlisted two new lines: a splendid selection of rubber sheetings and a red india-rubber hot water bottle; the latter as recently as last month.

"Invincible" Safety Razors, by 1916 additions, have grown to an important series of 10 efficient models.

The new "Pliant" Hand Brush is fully described in this issue, while last, but not least, our Menthol Inhaler, and Pocket Inhaler for the addition of medicaments, are numbered among our record of activities for the current year.

Think it over:
Sixty-two!

Capsule

ONLY by actual sales, and a satisfied public, can the success of a new line be gauged.

This is why the demand for the "Pliant" Hand Brush—a good horsehair scrub mounted on clean, quick-drying loofah—is *increasing every week.*

THE
GIRL
FROM
THE
'PLIANT'
SHOW-
CARD



MAW'S 'PLIANT' HORSE HAIR HAND BRUSH

8/6 24/-
DOZ. 3 DOZ.
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Page

NUMBER 271

DEC. 23, 1916

HOURS OF BUSINESS: 8.30 a.m. — 5.30 p.m.

CLOSE AT 1 p.m. SATURDAYS

CHRISTMAS HOLIDAYS,

We close for general business from Friday evening, December 22, until the following Wednesday morning.

BRITISH No. 77 Eau de Cologne



Xmas 1916.

A Genuine British Perfume,
better in aroma and staying
power than any alien enemy
product. Keep stocks of No. 77
only, and your perfume products
will increase in the coming year.

*Greetings and Good Wishes to all
in the Drug Trade.*

WILLIAM TOOGOOD, Ltd.

77 SOUTHWARK STREET, LONDON, S.E.

British Toilet Articles for British People.

THE Vinolia Company Limited greet their many friends with the Compliments of the Season, and wish them ever increasing prosperity in the coming year.

We would take this opportunity of pointing out that

VINOLIA SOAPS, TOILET PREPARATIONS and PERFUMES

are proved Profit-bringers and will help your prosperity in 1917.

**THEY ARE ALWAYS IN SEASON.
ALWAYS IN PUBLIC FAVOUR.
LARGELY ADVERTISED.**



VINOLIA COMPANY LIMITED, LONDON - PARIS.

R V 275-29



FIG. 957.

Five Representative British Products

Hearty Greetings
for Xmas &
the New Year
from

**BURGE, WARREN
& RIDGLEY, LTD.,**
91-92 Gt. Saffron Hill,
LONDON, E.C.

*that will help to render
buyers independent of
alien enemy supplies
in future, and bring*

Success & Satisfaction

*to Chemists and Druggists
all over the British Empire.*



FIG. 1067.

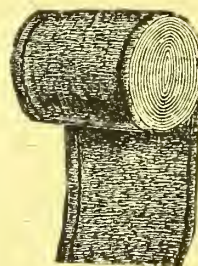


FIG. 1331.

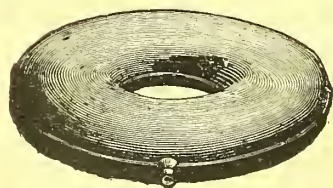


FIG. 1194.

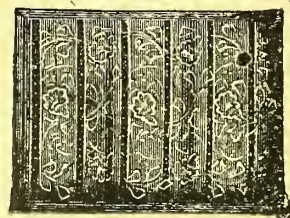
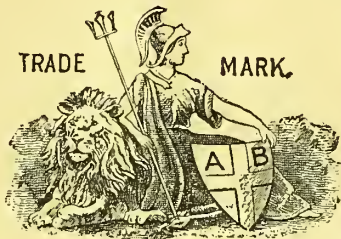


FIG. 1354.

TRADE MARK.



CONTRACTORS TO HIS MAJESTY'S GOVERNMENT

TRADE CONDITIONS ARE ABNORMAL

but we are always ready
to supply anything in

SURGICAL DRESSINGS & DRUGGISTS' SUNDRIES.

Turn to page 437 of the
"Chemist & Druggist" Diary
1917 when in doubt, then
with our co-operation
you will realise

PROSPERITY IN THE NEW YEAR

To our Friends at Home and Abroad we
send Cordial Good Wishes of the Season.

ARTHUR BERTON, LTD.

Registered Office & Warehouse - 15 & 17 WORSHIP ST., LONDON, E.C.

Works & Factories :

Ben Mills } BURY,
Waterfold Mills } LANCs.
2a & 102/4 Tabernacle St.,
LONDON.



Telegrams :
"RENILREB LONDON."

Telephones :
LONDON WALL - 507.
CITY - - - 998.



We have warned buyers for many years before the War to beware of alien enemies' trades. Events of the past two years have justified our warning, and have proved that the Brushware for Chemists is

BEST BRITISH BRUSHES

which is synonymous with

KENT'S

This has been tried, trusted and proved before there was a German Empire.

*Hearty Greetings and Good Wishes for
a Victorious and Prosperous New Year.*

G. B. KENT & SONS, LTD.,

75 FARRINGDON ROAD, LONDON, E.C.

STAFFORD
ALLEN
& SONS, LIMITED

Xmas 1916

New Year 1917

IDEALS for 1917.

Buy from British Manufacturers.

Avoid the Alien source.

Demand unquestionable Purity.

Seek for Good Value.

Accept a Fair Price.

With

*Hearty Greetings and Good Wishes
to all in the Drug Trade.*

STAFFORD ALLEN & SONS, LTD.,
COWPER ST., FINSBURY, LONDON, E.C.

OILS
ESSENTIAL



OUR NEW PREMISES AT ESSEX ROAD, LONDON, N.

When you are dubious about sources of supply for Drugs, Chemicals or Surgical Dressings, write to us. Mutual co-operation will increase British Trade.

*HEARTY GREETINGS & BEST WISHES
TO ALL OUR FRIENDS.*

Carnegie Bros.,
Essex Rd., London, N.

"CARRY ON!"

That is the duty of every one of us, whether it be in the Trenches, on the Seas, in the Factory, or in the Shop— **CARRY ON!**

And to all the thousands of our friends in the Soap, Disinfectant and allied trades both manufacturing and distributing, who are so bravely "carrying on," fighting the Nation's battles or doing the Nation's work, we extend the earnest wish that the coming year may bring **VICTORY TO OUR ARMS and PEACE TO THE WORLD.**

GOD SAVE THE KING.



BY APPOINTMENT.

Edward Cook & Co. Ltd
The Soapery,
Bow, London, E.



1780

1917

THROUGH ALL THE YEARS
this mark has been a guarantee of
purity and stability.

J. F. Macfarlan & Co.

*renew their Greetings to friends in the
Trade at home and abroad. We
will still pull together for the attain-
ment of success and in confidence of
Victory. May the New Year bring
Peace and Prosperity to all.*

Xmas 1916.

New Year 1917.

Edinburgh and London.

Opium Alkaloids.

Fine Chemicals.
Surgical Requisites.

Anæsthetics.



BAISS

products are still winning their way
in place of Continental supplies.
Once more we feel that we can

GREET

our friends in the Drug Trade
with best wishes for their happi-
ness in the New Year. May

YOU

realise a full measure of

PROSPERITY IN 1917

*Drugs, Fine Chemicals, Galenicals,
Packed Specialities, Surgical Requisites,
etc.*

BAISS BROS. & COMPANY, LTD.

Manufacturing Chemists and Wholesale Druggists,

174, 175, 176 Grange Road, Bermondsey, S.E.

Established 1833.

T. & H. SMITH, LTD.

EDINBURGH: ✦ LONDON: ✦ GLASGOW:
Blandfield Works. † 25 Christopher St., E.C. † 37 Washington St.

Telegrams: "MECONIC," Edinburgh, London, Glasgow.

Greetings & Good Wishes
and all
Prosperity in 1917.

MORPHINE
CODEINE
CAFFEINE
STRYCHNINE
CAPSICIN
GINGERIN
SALICIN
EMETINE

CHLOROFORM
CANTHARIDIN
ERGOTIN
JALAP RESIN
SCAMMONY RESIN
ALOID
PODOPHYLLIN
THEOBROMINE

GRAND PRIX.
PARIS, 1900.

GRAND PRIX.
BRUSSELS, 1910.

GRAND PRIX.
LONDON, 1908.



1917.

Greeting

To all our friends in the
Drug Trade we give New Year
Greetings, hoping that for all
the coming year will bring

Peace & Prosperity

We will help by providing
supplies for Export & Home
Trade, thus assisting in the
struggle for success in war
and trade.

Potter & Clarke, Ltd.

*60-64 Artillery Lane, London, E.C.
and 24 Luna Street, Great Ancoats, Manchester.*

Herbs, Roots, Barks, Extracts, Packed Goods, Cachous,
Jujubes, Pastilles, Potter's Asthma Cure, Five Barks
Jubes, Arnaud & Cie's Perfume, &c.

THE LONDON COLLEGE OF CHEMISTRY, PHARMACY & BOTANY

361 Clapham Road - - - London, S.W.

Principal: HENRY WOOTTON, B.Sc. (Lond.)

Xmas 1916.

*To all "London" Students at home
or abroad serving their country
in various ways,*

GREETING & GOODWILL

Minor Course begins January 3, 1917.
Apothecaries' Course, January 31, 1917.

Crampton's Specialities

*Greetings and
Good Wishes to all
our friends in the
Drug, Chemical &
Allied Trades*

JOHN Crampton & Co. Ltd

Telephone
4984 Central
Manchester

357-9 Deansgate,
MANCHESTER.

Branch-460 Gallowgate, GLASGOW.

Telegrams
NUTMEGS
Manchester



Thomas Swales

greet all his friends at
home and abroad, wishing
them the compliments of
the Season and Prosperity
. . . in the New Year. . .

24 BUTT'S COURT, & 89 ALBION ST.,
LEEDS.

Tel. Nos. Central 3702; Headingley 406

Thos. Tyrer & Co., Ltd.

Stratford, E.

“Sterling
Brand.”

New Year 1917

As in the past, so in the new year, we will do our share towards Final Victory. To our friends in the Trade we give Hearty Greetings & Best Wishes for Prosperity in 1917. Let us help, by mutual co-operation, to the Final Victory of our Allies & Empire.

OUR reputation YOUR guarantee

Thomas Tyrer, F.I.C., F.C.S., Managing Director.

THE FUTURE.

WE are continually increasing the force of our advertising campaign appealing to the Medical Profession and the Public. During the coming year pharmacists will find our specialities in constant demand. It will be well worth while to carry a stock ready for calls.

Specialities.

"SEMPROLIN" EMULSIONS. "CARMEX."
RUSSIAN LIQUID PARAFFIN, B.P. 1914.
ADEPS LANÆ, B.P. 1914. "PILM," etc.

Literature, Samples, Showcards, etc., Free on Request.

WM. BROWNING & CO.,
Manufacturing Chemists,
Albert Works, PARK STREET, LONDON, N.W.

Telephone: Hampstead 4046.

Telegrams: "Semprolin, Norwest, London."

Xmas 1916.

□
Heartiest
Greetings



Good
Wishes

to all

Pharmacists.

Thomas Waide & Sons

Wish all . . .

**Pharmacists and
Drug Stores**

The Compliments of
the Season,

AND

A Very Happy

and Prosperous

New Year.

Chemists' Printers,
Kirkstall Road,
Leeds.

CHRISTMAS 1916.

□
*The "Rodine" Manufacturer
sends heartiest Christmas
Greetings of Goodwill to all
"Rodine" Agents and his
many Chemist friends
throughout the country.*



We know two things:

- 1st.—We will win the War.
- 2nd.—"Rodine" wins the Rat War.



HARLEY, Manufacturing Chemist, **PERTH,**
Scotland.

EXPORT AGENTS:
TOZER, KEMSLEY & MILLBOURN,
84 Fenchurch Street, London, E.C.



H · M · M · Co

HORLICK'S RATION TINS

OF

MALTED MILK TABLETS

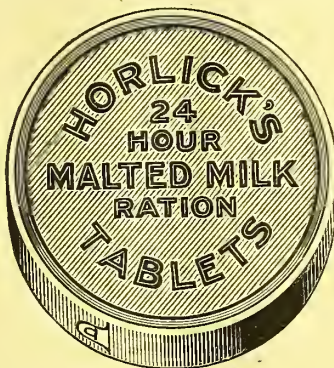
can now be supplied
in limited quantities
TO THE TRADE

at

12/6 per Doz.

plus carriage.

**For Despatch
BY POST
—TO—
MEN AT
THE FRONT**



**RETAIL
- PRICE -
1/6
PER TIN.**

**ORDER OF YOUR WHOLESALE HOUSE
OR OF
HORLICK'S MALTED MILK CO., SLOUGH, BUCKS.**

H · M · M · Co

FINEST NORWEGIAN *Medicinal Non-freezing* COD LIVER OIL

*The Cheapest & Best on the Market.
Special Facilities. Let us have your Enquiries.*

ISAAC SPENCER & CO. (ABERDEEN) LTD. ABERDEEN

GELATINES

FINE LEAF GELATINE
PURE CALF

"ALBION" BRAND

(In 1lb. Packets.
112 x 1 lb. Packets to Case.)

FINE CRYSTAL GELATINES:
PURE SKIN GELATINES.
POWDERED GELATINES.

Telegrams: **OURY, MILLAR & CO.,**
"OLMENTH, LONDON." **9 Mincing Lane,**
Telephone: 4978 Avenue. **LONDON, E.C.**

Vacuum Flasks

**SPECIAL
OFFER**

PRICE

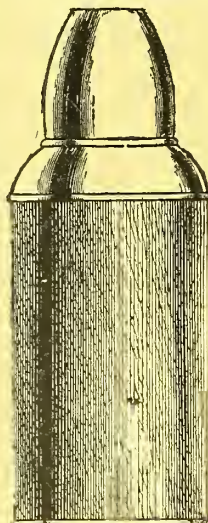
36/-

DOZ.

PINT SIZE,
ASSORTED.

Leatherette & Enamelled
Aluminium Cup.

A First-class article.
Special Price for quantities.
We purchased nearly two
years ago 10,000 at a
Special Price. These are
just being delivered.



Packed in original cases containing 250.

WE CANNOT REPEAT THESE.

MILLARD BROTHERS, LTD.
123 Houndsditch, London, E.C.

Award, London, 1881: "For Excellence of Quality."

Contractors to H.M. Government, The Crown Agents for the Colonies, etc.

SYNTHETIC OTTOS

"Zinyl" Brand (Regd.)

TRUE SYNTHETIC PRODUCTS (Non-Alcoholic)

These should not be compared with the "cheap" compounds offered, which are merely mixtures of various essential oils.

To Buyers who have not hitherto bought these Synthetic Ottos their use will come as a revelation, and as in most instances the Ottos are actually stronger than the essential oils they are intended wholly or partially to replace, they are most economical in use, while their similarity to the actual flowers is surprising. A feature of the "Zinyl" Brand is the natural delicate flower odour, free from the very objectionable and crude characteristics of cheap synthetic perfumes.

| | | | |
|--------------------|--------------|------------|--------------|
| HELIOTROPE | - - 8/6 oz. | HYACINTH | - - 9/6 oz. |
| LILY OF THE VALLEY | 13/6 oz. | NEROLI | - - 8/6 oz. |
| JASMIN | - - 10/6 oz. | VIOLET | - - 10/6 oz. |
| CARNATION | - - 8/6 oz. | WALLFLOWER | - - 10/6 oz. |

ROSE One of the finest and most delicate Synthetic Ottos on the market. The "Zinyl" Brand passes the most discriminating tests, and is almost indistinguishable from genuine otto; and, though much stronger, costs but a fraction of the price. **13/6 oz.**

FULL LIST ON APPLICATION.

"A Triumph of Modern Synthetic Chemistry."—"C. & D." in 1912.

H. E. STEVENSON & CO.

Manufacturing Chemists and Wholesale Druggists,

122 GREAT SUFFOLK ST., LONDON, S.E.

SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

*To all our Students at
Home or with the Colours*

ELT'S

*send
Christmas & New Year's Greetings.*

"LICORICINE" is an article of wonderful merit. Widespread recommendation and steady and persistent advertising ensure a rapidly increasing sale. **YOU** stock it, of course?

December 1916.

REVISED PRICES

for Licoricine, "Red Bottle," and "Spasm Drops":—
10½d. size...8/6 per doz. 1/3 size...12/3 per doz.
3/- size ... 27/- per doz.

Fixed MINIMUM RATES:

10½d., 1/3 and 3/- per bottle.

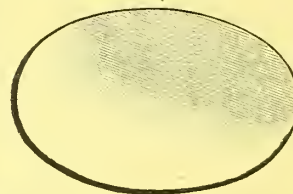
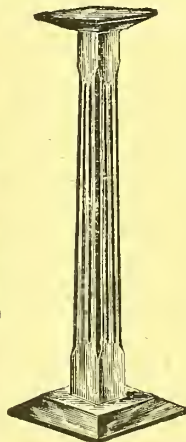
Orders of £2 Carriage Paid. Orders of £5 and up less 5%.

MANDALL & CO., LTD.,
Manufacturing Chemists, STOCKTON-ON-TEES.

"Open" Window-Dressing

**with OAK PEDESTALS
and GLASS SHELVES**

makes your window easier to dress, uses less stock, enables you to achieve a more artistic and effective display, and by constant rearrangement permits the attainment of a different style of dressing each week.



No. SF 1107. Polished.
SOLID OAK PEDESTALS
with Fluted Pillars.
Inches. Doz.
12 ... 22/-
18 ... 27/6
24 ... 36/-
30 ... 45/-

For use with Glass
Shelves or Cardboard
Display Cards.

PLATE GLASS OVAL SHELVES.

Polished Edges.

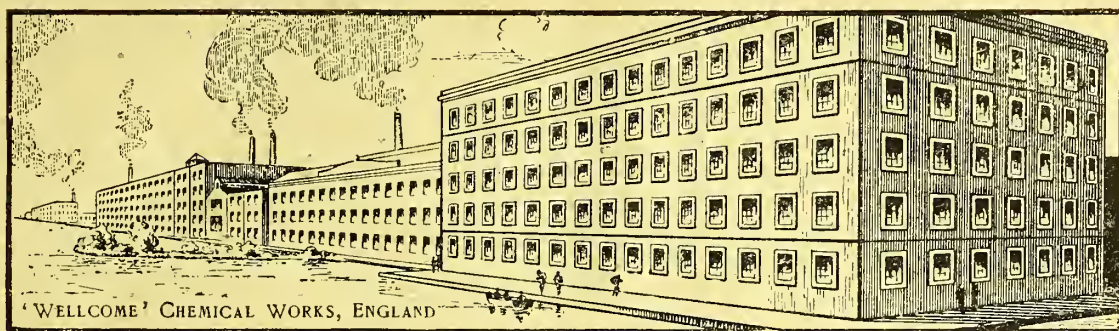
18×12 ... 5/9 each.
24×18 ... 10/- "

ROUND SHELVES.

18×18 ... 9/5 each.
24×24 ... 13/- "

Full Illustrated List of Shotfittings, No. C. 269, Free.

Dudley & Company, 451, 550 & 558 Holloway Rd.,
LONDON, N.

TRADE
MARK**'TABLOID'**

BRAND

Aspirin

☞ Manufactured throughout at the 'Wellcome' Chemical Works, England.

☞ Presenting Aspirin which is chemically, physically and therapeutically identical with the German product.

☞ The acetylsalicylic acid thus presented is of the highest possible purity, has the correct melting-point of the pure acid, and is absolutely free from salicylic and acetic acids.

'TABLOID' Brand ASPIRIN, gr. 5 and 0.5 gm.

Supplied as follows

| | | | | |
|---------------------|-----|--------|--------|------------------|
| Gr. 5 in bottles of | 25 | at | 16/0 | per doz. bottles |
| Gr. 5 " | " | 100 | " 48/0 | " " " |
| 0.5 gm. " | 25 | " 24/0 | " " " | " |
| 0.5 gm. " | 100 | " 72/0 | " " " | " |

**BURROUGHS WELLCOME & CO., LONDON**

ASPIRIN TABLETS.

Guaranteed made from pure Aspirin B.P., manufactured by
PIERSON, MORRELL & CO., NEW BARNET.

25's, 7/6 per doz. ; 100's, 27/- per doz. ; 1000, 20/6

Subject to a discount of 5% if cash accompanies order.

Prompt delivery if **without** name and address, **with** name and address **7-10 days**. A selection of 30 varieties of Labels to choose from.

H. & T. KIRBY & CO., LTD. { Write—Belton Road, Willesden Green, LONDON.
Wire—Kirby, Limited, Willroad, London.
Phone—Willesden 1412.

The *Lancet* describes it as

"Mr. Benger's admirable preparation."

FOOD FOR INFANTS



Wholesale of all Wholesale Houses and Shippers
or from the Manufacturers

BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng.

Branch Offices at: 117 Pitt St., Sydney, Australia; 90 Beekman St., New York, U.S.A.
Canadian Agents: The National Drug and Chemical Co., Ltd., Montreal & Branches.

ON THE P.A.T.A.

The *British Medical Journal* says:

"Benger's Food has by its excellence established a reputation of its own."

INVALIDS AND THE AGED.

PUT A

ZEPTO SHOW IN YOUR WINDOW

and sell more Tooth Brushes, Tooth Powder, Pastes, Mouth Washes and Dental Requisites than you ever did before. The six dozen, or more, is commonly sold in a week to 10 days, easily. Before our successful "TELEPHONE GIRL" Shows are all gone get that postcard away.



NO RISK—AND A BIG P.A.T.A. PROFIT

66 $\frac{2}{3}$ %—COSTS 4/6 DOZ., SELLS 7 $\frac{1}{2}$ d. EACH.—**66 $\frac{2}{3}$ %**

NOTHING PAYS BETTER

SEND YOUR ORDER
E A R L Y.

CHRISTYS, OLD SWAN LANE
L O N D O N, E.C.

Head Office:
42 Cannon Street,
London, E.C.



Telegraphic Address:
"Chemicus Cannon
London."

Telephone Number:
Central 3617 (3 lines).

A Weekly Journal of the Chemical and Drug Trades. Established 1859.
Subscription, 12s. 6d. a year in advance, including a copy of "The Chemist and Druggist Diary" next published,
post free to any part of the world.

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European War News.

Import and Export Notices.

GERMANY.—The exportation of chemicals from Germany for scientific research, which has hitherto been allowed to a certain extent, was prohibited as from November 11.

ITALY.—The exportation of glass bottles of all kinds has been prohibited by a Royal Decree of December 8.

NETHERLANDS.—It is officially announced that the restrictions on the importation of sulphur into Holland, which were published on September 11, are cancelled, and that consideration will again be given to applications for licences to export sulphur from Great Britain to Holland.—The exportation of platinum in any form has been prohibited from Holland since December 8.

UNITED KINGDOM.—Interpretations on prohibited imports which have been published in the "Board of Trade Journal" include the ruling that imports of liquid bromine are "not prohibited." The item "strontium sulphate" has been deleted from the "B" schedule of prohibited exports and transferred to "A" schedule in the following terms: "Strontium compounds, and mixtures containing strontium compounds."

Personalia.

DOUGLAS GRAY BURNETT, Royal Engineers, is in Bangor Hospital, suffering from shell-shock and trench-fever. He is a chemist and druggist, and was manager of the St. Cuthbert's Co-operative Association's chemist's shop at Montrose Terrace, Edinburgh.

SECOND-LIEUTENANT W. J. BEST, Royal Irish Fusiliers, Dungannon, who has been wounded, was before the war on the staff of Mr. James Tate, Ph.C. (President of the Pharmaceutical Society of Ireland), the Medical Hall, Royal Avenue, Belfast. He enlisted as a private in the Royal Fusiliers (Public School Brigade), and was promoted to the Irish Fusiliers in June 1915.

SEAMAN LEONARD SLACK, Royal Naval Division, who was before the war a chemist's assistant at Hexthorpe and Doncaster, is reported missing since an engagement on November 15. He joined the Service at the end of 1914, and served with the Collingwood Battalion in Gallipoli, where he was wounded. He remained in Gallipoli until the evacuation, and has had no leave since he left England in May 1915.

Miscellaneous.

ENEMY FIRM TO BE WOUND UP.—Perfumery Oja Co. (London), Ltd., 43 City Road, London, E.C., manufacturers of and dealers in perfumery. Controller: J. D. Pattullo, 65 London Wall, London, E.C.

GANGRENOUS WOUNDS.—In a communication read to the Royal Society of Medicine on December 20, Sir Almroth Wright said that he has found experimentally that if microbes are placed upon media to which trypsin and acid had been added they grow much more actively than when placed on ordinary, untreated media. On the acid, trypsin-containing media they give off considerable quantities of gas. This is in connection with the origin of gas gangrene, and he expressed the hope that a rational method of treating it will result.

THE MYSTERIOUS FERRET is the title that "The Times" gives to a paragraph regarding an Order in Council which was gazetted on December 19, and which included "ferrets" in a list of articles the export of which is prohibited. It seems probable (says our contemporary) that by this term is to be understood not *Putorius furo*, the little pale-yellow animal with pink eyes, but an iron used in glass-manufacture to make rings at the mouths of bottles or to try the melted matter. The Director of the War Trade Department has since stated that the notice refers to the animals known as ferrets.

Wills.

MR. GEORGE GILBERT, chemist and druggist, Hinckley, Leicestershire, who died on April 20, aged eighty-five, left estate valued at 124*l.* 12*s.*

MR. THOMAS LUNN, chemist and druggist, Worcester, who died on September 22, left estate valued at 763*l.* 7*s.* 6*d.* gross, with net personalty 484*l.* 4*s.* 6*d.*

MR. W. A. PANTON, chemist and druggist, Kemnay, and latterly of Torphins, Aberdeenshire, who died on September 2, left personal estate in the United Kingdom valued at 1,354*l.*, of which 782*l.* is Scottish estate.

INVENTORY OF THE ESTATE of Sir William Ramsay, K.C.B., F.R.S., High Wycombe, Bucks, who sometime resided at 21 Ashton Terrace, Glasgow, has been lodged with the Sheriff Clerk of Lanarkshire at Glasgow. The estate amounts to 20,226*l.* 18*s.*

MR. BENJAMIN FRENCH, chemist and druggist, Gosport, Hants, formerly a dispenser at the Royal Naval Hospital, Haslar, and afterwards in business in North Cross Street, Gosport, who died on October 30, left estate valued at 716*l.* 6*s.* 8*d.* gross, with net personalty 602*l.* 7*s.* 9*d.*

Gazette.

Partnership Dissolved.

HOFNBY, A., and Cole, F. W., 5 Queen's Parade, Muswell Hill, N., chemists.

Bankruptcy Acts.

RECEIVING ORDER AND ADJUDICATION.

JESSOP, R. S., 164 West Bromwich Street, Walsall, and 2 West Bromwich Road, Walsall, druggist.

ADJUDICATION ANNULLED.

ABEOTT, A. D., Tresco, Avenue Road, Torquay, chemist's assistant.

Belgian Doctors' and Pharmacists' Relief Fund.

A meeting of the Committee was held on December 14, when the Treasurer, Dr. H. A. Des Vœux, presented a cash account of the Fund for the year ending November 30. He also gave a general summary of the financial circumstances and showed that the total donations to the Fund up to November 30 amounted to 19,500*l.* 6*s.* 5*d.*, including the sums collected by national Committees in Scotland and Ireland; the interest on Treasury Bills and money on deposit amounted to 82*l.* 14*s.* 6*d.*; while the financial position on the day of the meeting was that 10,000*l.* remained in hand after sending the sum of 800*l.* per month for a considerable period to Belgium for the relief of doctors and pharmacists and their wives. On November 18 Treasury Bills for 8,000*l.* were bought, which mature in February. From the beginning of June up to the end of November 627*l.* 2*s.* 8*d.* was received, and during this period 4,904*l.* was expended, 4,800*l.* of this being the *mensualités* sent direct to Belgium. A little over 100*l.* had been distributed in small sums in England for the relief of Belgian doctors and pharmacists or their wives or dependants during the period. The Committee, on considering the financial statement, decided to continue the *mensualités* to Belgium for the ensuing four months. It was decided to prepare a brief statement setting out the position and activities of the Fund, the Hon. Secretaries of which are Dr. S. Squire Sprigge, 423 Strand, London, W.C., and Mr. W. J. Uglow Woolcock, 17 Bloomsbury Square, London, W.C.

Military Tribunals' Decisions.

ABERDEEN.—The application for the exemption of Mr. A. M. Cowie, chemist and druggist, manager of a branch-shop of the Northern Co-operative Co., Ltd., was adjourned.

CHISLEHURST.—Exemption until January 1 was granted to Mr. A. A. Bone, chemist and druggist (Prebble & Bone), who in the meantime is to be medically examined.

HATHERLEIGH.—The exemption-certificate granted to H. H. Watts, chemist's assistant, has been withdrawn.

HEREFORD.—Exemption until February 1 has been granted to Mr. W. R. Bufton, Ph.C., with Chave & Jackson, Ltd.

LAMBETH.—Mr. J. A. Jennings, Ph.C., appeared on behalf of the authorities of St. Thomas's Hospital for the exemption of a radiographer and the assistant manager in the surgery department. Six months' exemption was granted the radiographer and the assistant manager, and a surgical-instrument setter, for whom application was also made, was granted three months'.

PETERBOROUGH.—Conditional exemption allowed to Mr. John Griffiths, chemist and druggist, with Boots, Ltd., has been withdrawn on the application of the military authorities.

REDHILL.—The appeal of the Military Representative against the exemption of Mr. S. J. Lisney, dispensing chemist, has been dismissed.

SHEFFIELD.—The appeal by the Military Representative against the exemption of Mr. H. Burdall, wholesale druggist, was withdrawn, but in the case of T. Bell, dispenser, exemption until January 31 was given.—Exemption until December 31 was granted to Mr. A. Forbes, chemist and druggist, and conditional exemption to F. R. Clark, chemist's assistant.

SHOREDITCH.—Three months' exemption has been granted to W. Hall, warehouseman with R. Hovenden & Sons, Ltd., City Road.—The appeal for the exemption of W. Bell, assistant with Mr. Sam Briggs, dispensing chemist, Hoxton Street, was dismissed.

SLEAFORD.—Exemption until January 1 was granted to R. Leonard, assistant to Mr. J. R. Wood, dispensing chemist.

SOUTHWARK.—Mr. P. H. Galloway, chemist and druggist, 154-162 Walworth Road, appealed against the withdrawal of a certificate of conditional exemption for a manager in his service. The conditional exemption certificate was withdrawn, and two months' extension granted instead. Appeal was also made for the exemption of a process-hand engaged in making ointments, but this was refused.

STRATFORD-ON-AVON.—The Military Representative applied for the cancellation of the certificate of exemption granted to J. L. Miller, assistant with Mr. F. D. Spencer, dispensing chemist, but the application was refused.

WARE.—Permission was given to submit another application for exemption on behalf of Leonard Edwards, apprentice to Mr. A. H. G. Coggin, dispensing chemist.

WORKING.—On the application of the Military Representative, the exemption until January 8, granted to W. T. Grant, assistant to Mr. John Wearing, dispensing chemist, was cancelled.

CINCHONA CULTIVATION.—It is understood that the question of largely extending the area of land under cultivation of cinchona is being considered by the Government of India.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Christmas Holidays.

The following statement has been issued by the Government and controlled munitions departments in regard to the delayed Bank Holidays:

"The Minister of Munitions announces that in place of the Bank Holidays which have been postponed two additional days' holiday should be granted (subject to military exigencies) to establishments engaged on munition-works and docks, as follows:

Where Christmas Day and Boxing Day are the recognised holidays, December 22 and 23. Work will be resumed on December 27.

Where New Year's Day is the recognised holiday, January 2 and 3. Work will be resumed on January 4.

Where both are recognised, December 23 and 30. Work will be resumed on December 27 and January 2.

The above arrangements will not apply to persons employed in such docks as the Admiralty may, in the national interest, determine.

In any case in which, owing to military exigencies, it is impracticable to grant the holidays or necessary to curtail them due notice will be sent to the establishment concerned."

It should be clearly understood that these arrangements are not obligatory upon other establishments; all that they have to do is to give employes who have been in the habit of being released of their duties on Bank Holidays, and who did not get holidays on Whit Monday and the August Bank Holiday, two holidays in place of these before March 1. This is sufficiently exemplified by the following:

THE BRITISH DRUG HOUSES, LTD., Graham Street, City Road, N., will give their employes in factories, warehouses, and offices December 27 and 28 as holidays.

BURROUGHS WELLCOME & CO., Snow Hill Buildings, E.C., inform us that half of the office staff will be absent on December 27 and 28 (not December 22 and 23 as stated last week), and the other half of the office staff will be absent on January 1 and 2.

EVANS SONS LESCHER & WEBB, LTD., 60 Bartholomew Close, E.C., have changed their closing arrangements, so that their premises will be closed for holidays on December 22 (after 1 p.m.), 23, 25, 26, and January 1, also for stocktaking on December 28, 29, and 30.

The following are particulars in regard to Christmas holidays in London manufacturing and wholesale establishments in addition to those given in our last issue (p. 34):

DODGE & OLCOTT CO., 20 Mark Lane, E.C., December 23, 25, and 26.

W. EDWARDS & SON, 157 Queen Victoria Street, E.C., December 23, 25, and 26.

THE FABRA CO., LTD., 24 Minorities, London, E., December 25, 26.

FORMALIN HYGIENIC CO., LTD., 3 Lloyds Avenue, E.C., December 25 and 26.

R. HOVENDEN & SONS, LTD., 89-95 City Road, E.C., and 29-33 Berners Street, W., December 23, 25, 26, and 27.

LOHMER-MARSHALL, LTD., 12 Tower Hill, E.C. December 23 to 26 inclusive; a special staff will attend to urgent orders on December 27. The premises will be closed also on January 1, 1917.

MAY, ROBERTS & CO., LTD., Clerkenwell Road, E.C. We regret that our note of last week conveyed the closing dates incorrectly. The directorate informs us that owing to the deferred Bank Holidays the premises will be closed on Friday, December 22, as well as Saturday, Monday, and Tuesday, December 23, 25, and 26. Special arrangements will be made to deal with urgent post orders on Friday, December 22.

REITMEYER, CALBURN & KINDERSLEY, LTD., 63 Crutched Friars, E.C., December 23, 25, 26, and January 1, 1917, for stocktaking.

T. & H. SMITH, LTD., 22 City Road, E.C., will close on January 1 and 2, as well as on December 25 and 26.

SPARKS, WHITE & CO., LTD., Albion Mills, Tenter Street, E., December 25, 26.

STEVENSON & HOWELL, LTD., 95A Southwark Street, S.E., December 23 to 30 inclusive (including deferred Bank Holidays and stocktaking).

J. TOMPKINS, LTD., 386 City Road, E.C., December 25 and 26, as well as December 28, 29, and 30 for stocktaking.

ALFRED WHITE & SONS, 28-31 Allen Street, Goswell Road, E.C., and West Drayton, December 25, 26, 27, and 28.

Encouraging Empire Industries.

Some time ago the Trade and Industry Committee of the Royal Colonial Institute forwarded a resolution to the Governments of the Dominions and the Colonies not possessing responsible government and of Crown Colonies having power to legislate, as well as to Chambers of Commerce, Boards of Trade, etc. The resolution expressed the view

that, in order to encourage the establishment of new industries in the British Empire and to give a measure of confidence and security to capital to be embarked therein, the Governments of the Empire should be urged to make it obligatory on all Government Departments, etc., to purchase Empire-made goods and to place all contracts with British firms, exceptions to be made, by special permission of proper authority, only in cases where such a course is considered to be at variance with public interests. The Committee have now received replies from the various Governments, all of whom, with certain reservations, are in favour of the resolution.

Contracts.

Bedford Guardians.—Mr. Stevens, for disinfectants, etc.; Jelly & Clarke and Dudenay & Johnston, soaps.

Bradford Corporation.—John Riley & Sons, Ltd., Hapton, Lancashire, calcium chloride, at 5*l.* per ton.

Bradford Gas Committee.—George Hanson, junr., 400 tons best hand-picked lime, at 19*s.* 8*d.* per ton; G. C. Dobell & Co., for 90 tons of nitrate of soda, at 18*l.* 7*s.* 6*d.* per ton.

Lewes Guardians.—Boots, Ltd., for drugs.

Lowestoft Guardians.—Mr. F. A. Hanworth, dispensing chemist, Oulton Broad, medicines.

Reading Guardians.—Bradley & Bliss, drugs.

Yarmouth Town Council.—Mr. F. E. Whitfield, Regent Road, to be chemist to the Isolation Hospital for 1917.

WAR OFFICE.—The following new contracts were among those accepted by the War Office during November:

Chemicals.—J. & J. White.

Disinfectants.—Celtic Chemical Co.; Jeyes' Sanitary Compounds Co., Ltd.; Killgerm Co., Ltd.; McDougall Bros., Ltd.; Phoenix Sanitary Co.

Medicines.—F. W. Berk & Co., Ltd.; Brook Parker & Co., Ltd.; Burgoyne, Burbidges & Co., Ltd.; Cartwright, Ltd.; Howards & Sons, Ltd.; H. & T. Kirby & Co., Ltd.; May & Baker, Ltd.; Standard Tablet and Pill Co., Ltd.; Whiffen & Sons, Ltd.

Methylated Spirit.—W. T. Alexander; Bellingham & Co., Ltd.; B. Biggs & Co., Ltd.; S. Bowley & Sons; Bristol Distilling Co.; Sutton, Carden & Co., Ltd.; J. & J. Vickers & Co., Ltd.; Waters & Co., Ltd.

Sterilisers.—Allen & Hanburys, Ltd.; W. H. Bailey & Son, Ltd.; Goldschmidt, Schermer & Co.; P. Harris & Co. (1913), Ltd.; J. & R. Oldfield, Ltd.; Rosebery Metal Works; C. F. Thackray.

Surgical Instruments and Materials.—Allen & Hanburys, Ltd.; Arnold & Sons; M. Bailey & Co.; W. H. Bailey & Son; G. Barth & Co.; J. Bell & Croyden, Ltd.; R. Carsberg; J. Christie & Son, Ltd.; Coxeter & Son; Cuxson, Gerrard & Co., Ltd.; J. G. Franklin & Sons, Ltd.; Goldschmidt, Schermer & Co.; P. Harris & Co. (1913), Ltd.; J. L. Hatrick & Co., Ltd.; Haywards, Ltd.; Krohne & Sesemann; H. Lewis; Longmates, Ltd.; S. Maw, Son & Sons; Mayer & Meltzer; Medical Supply Association; G. F. Merson & Co.; J. H. Montague; G. Nutter & Sons; Salt & Son, Ltd.; Swift & Goodinson; J. Taylor & Co.; C. F. Thackray; J. Weiss & Son, Ltd.

Birmingham.

Back-door trading after compulsory closing-hours is to be attended to by the police.

The Borax Consolidated Co., Ltd., Kidsgrove, North Staffs, are advertising for coopers and foreman cooper for making dry casks.

An attempt to secure a longer Christmas holiday than usual—viz., until Thursday morning next week—for Birmingham shop-assistants is being warmly supported by the Lord Mayor (Mr. Neville Chamberlain).

One must not suppose that because a pharmacist's shop is all darkened outside and the door closed as well, there is nothing doing, for it will very often be found on entering that it is a veritable beehive of business, and well lighted and cosy with people. The new Shops Order seems to provide a better way of doing business.

The Rev. J. Hind Farmer, M.A., chaplain to the Right Rev. Bishop Bury, who died in Hampstead recently, started life in pharmacy. He went to Mr. Cooling, at Newark-on-Trent, thence shortly after as an apprentice with Mr. Thomas Blackshaw, 35 Market Place, Burslem, contemporaneously with Mr. F. H. Alcock. During this period he matriculated at London University soon after he reached his majority. He became a deacon in 1889, and priest in 1891 in the diocese of Chester. His career as a clergyman was most successful, and quite recently, when vicar of Holt, Wimborne, he was appointed chaplain to Bishop Bury, and assistant minister at St. Peter's, Vere Street, London, W.

Liverpool.

The wholesale trade will close down for a brief spell with far more unexecuted orders on the books than is normal. As a rule Christmas Day, Boxing Day, and New Year's Day morning will be the extent of the holidays.

Mr. T. Edward Lescher has consented to take the place of Sir Edward Evans at the January 3 meeting of the Liverpool Chemists' Association. This will be the first

visit by Mr. Lescher, and his subject cannot be announced this week.

The retail chemist and druggist is more severely cramped for shop-space than the average tradesman. In the telephone-box of a central area pharmacist, for instance, have to be stored sponges, dog-soap, sea-water soap, and several other sundries, as well as catalogues and the hats and umbrellas of the proprietor and assistants.

"Christmas and New Year's Presents for Soldiers" is a frequent window-notice this week. The gifts for the men with the Colours are flanked by a few home comforts and such luxuries as bottles of perfumes, the trade in which there is a spirited attempt to recapture from the drapers. A pharmacist knows the nature of what he sells in perfumery as no other tradesman can.

The first effect of the Prime Minister's speech has been to produce a feeling of uncertainty regarding the national mobilisation, and thus to check the holiday trade. At least that is the view taken by pharmacists who deal considerably in presents at this season. Fog, snow, slush, and rain, however, may have had a more depressing effect upon business than the economical outlook.

A retired pharmacist relates that many years ago, in a moment of absent-mindedness, he sold without a "Poison" label a packet of morphia lozenges to a man, who seemed to slip the lozenges carelessly into a vest-pocket. On recalling the incident the chemist was haunted for days with the fear that the packet might be dropped in the street and fall into juvenile hands to be shared as toffy!

Dr. E. W. Hope, medical officer of health for the city, has prepared a pamphlet on the proposed scheme for the diagnosis and treatment of venereal diseases. This gives a good account of the results of the Royal Commission's inquiry and the action taken by the Local Government Board, with an account of the apparatus necessary in the diagnosis, as well as the provisions made by the City Council with Dr. Hope's department for effective diagnosis and treatment.

Several nights of dense fog have increased the universal demand for the relaxation of the darkening order. Pharmacists, who are virtually compelled for the popular convenience to keep open until 8 p.m., complain bitterly that their window-trade, formerly an evening auxiliary of importance, is ruined. Considering that they are faced with unprecedented competition and harassed by the high prices of drugs and surgical requisites, the blotting-out of the windows when the home-going crowds are dense is a cruel handicap.

A local pharmacist has been relating some of his vexations at the counter. In reply to a woman who asked for a packet which she said she had bought from him the previous day to be exchanged, he pointed out that he had not had any such packet in his shop for five years; that, therefore, she must have obtained the packet in her hand from someone else. The woman insisted that she bought the packet from the man addressed, and eventually she left the shop in high dudgeon, remarking with feminine logic, "Well, someone must have sold it to me."

By means of the new Closing Order a little revision has been wrought in the Sunday as well as the weekday hours, which have always varied according to the needs of a cosmopolitan district. Some lock-up pharmacies (that of Mr. G. F. Inman, Dale Street, for example) have never opened at all on Sundays. Others (e.g., Mr. Henry Peet) have long adopted, and will retain, the single hour 12 to 1. Mr. John Bain has changed his 6 to 9 p.m. to 6 to 8, and Mr. John H. Robinson his 8 to 9 to 7 to 8. In the suburbs, where many pharmacists reside on the premises, emergency calls for medicine are generally responded to at various hours, but 12 to 1 and 7 to 8 are the hours announced in numerous cases. The desire to restrict calls to reasonable hours and imperative demands grows both on Sundays and weekdays.

Manchester.

Over 2,000 lb. of aniline dyes was sold in Manchester on December 19.

The Christmas window-shows of city pharmacies are excellent, including those of C. Midley, Ltd., Mothershead & Co., Blain & Hankinson, Thompson & Capper, Ltd., and Westmacott & Son, which are quite up to the usual standard.

Expensive caskets of perfumes are not so much in evidence this year, but some show a very fine range of perfumes in cut-glass bottles from 10*s.* 6*d.* to 3*s.* each; perfumery, hair-brushes, shaving-brushes, manicure-sets, vacuum flasks, and comforts for sailors and soldiers at home and abroad forming the bulk of the shows.

Manchester, in common with many other places, was visited last Saturday by one of the worst fogs known for

the last twenty years. In consequence many minor accidents happened, and chemists were called upon to perform minor surgical duties. On the following day, when the fog lifted, suburban chemists had a very busy time indeed: one sold more cough-mixture in two hours than he had sold for the past month.

The proposed stoppage of all supplies of hydrochloric acid will mean a serious blow to the Lancashire bleaching-industry if carried out. "Nitric cake" has been suggested as a substitute, but well-known experts state that it would lead to no end of trouble between bleachers and buyers. Those engaged in those industries have found out by practical experience what to use and what to avoid, and if the supply of hydrochloric acid is stopped it will throw the whole industry into the experimental melting-pot again.

The Christmas window-shows in the suburbs are not up to the usual standard; only in a few instances have chemists made really special shows. Owing to the sudden weather changes they have been so busily occupied supplying the demand for cough-mixtures and winter requisites that they have not had the time to devote to making Christmas shows. Many display comforts for troops—tea, cocoa, coffee, with sugar and milk tablets, being in good demand. Hot-water bottles are also shown and recommended for Christmas presents.

Sheffield.

A good number of people have attended the Glass Exhibition held at the University.

Mr. W. H. P. Hulme, of Eardley & Furnival's, Glossop Road, has joined the Artists' Rifles.

Many friends of Mr. A. W. Graham, Cherry Mount, will regret to learn that his health since his retirement has not been satisfactory.

Mr. Ed. M. Greensill, chemist, South Normanton, was found in a very serious condition by the police in his bedroom with his throat cut.

The London Press says if the inner history of Sheffield University and its part in the war is ever written we shall recognise the debt the nation owes to Professor Palmer Wynne (late of the Pharmaceutical Society).

Mr. Ed. H. Swift has made extensive alteration to his shop in Holme Lane, Hillsborough, having replaced his old-fashioned windows with modern casements, and fixed the dispensing-screen facing the door, which has considerably enlarged and greatly improved the pharmacy.

A meeting of panel chemists is to be called for Wednesday, December 27, at 8.30 p.m., in the Literary and Philosophical Society's Rooms, Church Street, to consider the proposed new scheme of checking the pricing of prescriptions, as submitted by the Pharmaceutical Society, and any other insurance business of general interest.

A well-known Sheffield chemist has received a similar letter to the one published in the *C. & D.* last week from the Director of Propellant Supplies regarding the supply of glycerin to the public. As it happened the whole stock of glycerin had been held before April 1, but, anxious to help to consolidate the stock of glycerin, he has replied that in future he will only supply for medicinal purposes.

Sugar or saccharin is the craze of the moment, as the city, through the influx of workers, has almost arrived at the famine stage. For sweetening purposes the public have taken up saccharin. One fortunate pharmacist who had secured 100,000 tablets is doing a roaring trade at 1s. 9d. per 100, but in many cases the chemists are unable to obtain supplies of saccharin and sugar. It is alleged that one-half of the sugar which arrives in the city is being used for either intoxicant or non-intoxicant drinks.

The war has made some marked differences in the usual Christmas trade. The working-class districts are evidently demanding more expensive goods in the way of Christmas presents. Some very fine shows are given of better-class goods. On the other hand, some pharmacies have been so depleted of staff that it has been found impossible to give any attention to window-dressing. Thermos flasks and similar goods are well to the fore in all neighbourhoods for the use of women munition-workers, who are by no means only drawn from the working-class districts. We noticed a very effective show by "open" window-dressing with oak pedestals and 24-in. round glass shelves.

Miscellaneous.

Boots have adopted "Glycerine Substitute" as a prominent window-bill. They introduced it at the beginning of the year.

PHARMACISTS' VOLUNTEER TRAINING CORPS.—There will be no parade on December 24, but classes in practical first-aid will be held at 17 Bloomsbury Square, London, W.C., on December 27 and 28 at 2.45 p.m.

THE OPIUM CASE mentioned in the *C. & D.*, December 9, p. 38, came before the Thames Police Court Magistrate on December 15, when Ching Shu-on (24) was fined 100l., and 2l. 2s. costs, for harbouring 25 lb. of opium.

BRITISH INDUSTRIES FAIR.—The Board of Trade have organised another British Industries Fair, which will be held from February 25 to March 9 in the Victoria and Albert Museum and partly in the Imperial Institute.

HARDWICKE'S PHARMACY, Cornhill, Bury St. Edmunds, was attacked by fire on December 15. This originated in the laboratory, and spread to the warehouse, where much damage was done both to the stock and the buildings. The front remains intact, so that business is continued as usual.

ABORTION CHARGE.—The Preston Magistrates, on December 15, committed for trial at Lancaster Assizes Morgan Rhys Davis (45), chemist and druggist, on a charge of administering noxious things and causing them to be taken with intent to procure abortion. Accused was admitted to bail. (See *C. & D.*, December 16, p. 36.)

BATH COLLEGE OF PHARMACY.—On Friday, December 15, the students presented Mr. David J. Williams, the principal, with an elegant silver syphon-holder as a token of regard and esteem. The presentation was made by Mrs. Jones, and at the same time Mr. J. S. Retter, lecturer and demonstrator at the College, was presented with a silver cigarette-case by Miss Jones in the name of the students.

UNEMPLOYMENT INSURANCE.—The Umpire has decided that contributions are payable in respect of workmen engaged in the manufacture of surgical trusses (composed mainly of metal and leather) (2,050X); workmen engaged wholly or mainly in the manufacture of splints and crutches (2,067X); and workmen engaged wholly or mainly in the manufacture (including compressing and filling into cylinders) of carbonic-acid gas.

ARSENICAL BAKING-POWDER is rather common in Leicester-shire at present, and the police are seizing it. Proceedings have also been taken under the Sale of Food and Drugs Act, 1875. In most cases the proportion of arsenic was from seven to ten times the amount permitted, but in one case it exceeded twenty times the limit.—At Lambeth on December 14, a retailer was fined 5l., and 10s. 6d. costs, for selling baking-powder containing arsenic.

THE SALE OF DIACHYLON.—In the report of the work of the Committees of the British Medical Association ("British Medical Journal") it is stated that so soon as the recommendations were published of the National Commission on the Birth-rate, regarding the use of diachylon, the Medico-Political Committee communicated with the Privy Council and called attention to the fact that in 1906 the Association urged that diachylon should be scheduled under the Pharmacy Act.

POISONINGS.—Two deaths in which laudanum is involved are reported this week, both in the London area. A Camden Town woman named Thompson died from syncope, due to coma set up by laudanum poisoning. An inquest was opened on December 19 at Paddington regarding the death of Mary Ann Pocock, who died on December 14. Among the witnesses was Mr. H. R. Procter, chemist, 113 The Grove, Hammersmith, who said he had supplied the woman with three ounces of laudanum a day for many years. The inquest was adjourned.

CLOSING ORDER PROSECUTION.—An Manchester, Douglas G. Harecourt, proprietor of a drug-store in Rusholme Road, Chorlton-on-Medlock, was summoned for selling a pot of vaseline to P. C. Plummer twenty minutes after the hour fixed by the Defence of the Realm Act regulation for the closing of shops. The defence was that vaseline is a medicine, and does not come within the scope of the Early-closing Order. The Clerk to the Bench said that vaseline could be used for preserving eggs. The Chairman (Mr. R. A. Armitage) ruled that vaseline came within the category of medicine, and dismissed the summons.

ALTERED CHEQUE.—At the Mansion House Police Court on December 19, Ed. Hayes (65), a porter, residing at Rowton House, Hammersmith, was committed for trial upon a charge of uttering a forged cheque for 90l. 10s. 10d., drawn on the Union of London and Smith's Bank, by Oppenheimer, Sons & Co., Ltd., 179 Queen Victoria Street, and payable to Siebert & Co., Farn Street, Aldersgate Street. The cheque was made out and duly signed by Mr. Ball, the managing director of Messrs. Oppenheimer, for 17. 10s. in the first instance, and was posted on December 9, but it never reached its destination. Two days later Hayes presented the cheque over the counter at the bank for payment, and it was then discovered that the crossing had been obliterated and the amount altered to 90l. 10s. 10d. Prisoner was making for the door, but was stopped by a bank official and handed over to the police.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. A. J. Byrne, Ph.C., The Medical Hall, Arklow, has been made a Justice of the Peace for county Wicklow.

Major H. R. Haslett, of J. & J. Haslett, Ltd., Belfast, who was wounded earlier in the year, has returned to the Front.

At the meeting of the Sligo Board of Guardians it was agreed to increase the salary of Mr. P. N. White, Ph.C., as dispenser, by 40*l.* a year.

At a meeting on December 12, at Newtonstewart, of the Ulster Sphagnum Moss Association, it was stated that during the past four months thirty-five sacks of finished moss were despatched to the Derry depot.

A charge against Wm. Kelly, Pomeroy, of selling cream of tartar not of the quality demanded was dismissed at the local Petty Sessions, as defendant had sold the article in the same condition in which he purchased it.

Dr. G. W. Connor, M.R.C.S., L.R.C.P., I.D.S., has been appointed an extern examiner in dental surgery and mechanics of the National University of Ireland. Dr. Connor is the brother of Mr. J. E. Connor, J.P., Ph.C., Newry.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Dundee.

The new Dundee price-list is being circulated this week. It will be useful to those who like to support one another by uniform charges, but one chemist still advertises "All Medicines at Wholesale Prices."

The Dundee and East of Scotland Pharmacists' Association is following the example of the Glasgow Association by issuing a circular of notices to the members. This month's one deals with the price-list, opium regulations, tinct. chlorof. et morph., sale of benzene, and closing regulations. We quote two of these: "Opium Regulations—Doubt having been expressed in various quarters as to the position of opium pills under the above Regulations, it has been deemed advisable to obtain an authoritative opinion on the matter. According to this ruling a pill made from gum opium, being pure opium, would be affected, but a pill made from pulv. opii and any excipient, except water, would be regarded as a preparation of opium, and therefore out-with the scope of the Regulations. The sale of such pills (also lead-and-opium pills) is, of course, governed by the conditions applicable to all poisons in Part I. of the Poisons Schedule, and must be registered. Tinct. Chlorof. et Morph.—Please note that when so prescribed the 1885 B.P. preparation is intended. Tr. chlorof. et morph. *co.* refers to the 1914 B.P. tincture. It is important to remember this, as the latter tincture is fully four times the morphine strength of the former."

Glasgow and the West.

It is proposed that a bacteriology class, conducted by Dr. Ellis, should be started in the Technical College on Tuesday afternoons. Would pharmacists and their assistants who can join it communicate with Mr. J. Crombie, Ph.C., 323 Paisley Road West, Glasgow? His telephone number is 143 Ibrox.

Mr. J. H. Murphy presided at a meeting of the Chemists' Friendly Society Board on December 15, when arrangements were made to hold the annual meeting about January 24. It was agreed that a bonus of 25*l.* to the manager in respect of extra expenses owing to the war should be recommended, as was done last year. The re-election of five retiring directors is recommended, and the vacancy in the employees' section will be filled at the annual meeting.

A very enjoyable "At Home" was held by the staff of the Scottish Central Checking Bureau in the Royal Halls, Sauchiehall Street, Glasgow, on Tuesday evening, December 12. Numerous friends were present, including Mr. Kitchen, who represented the Drug Accounts Committee. The company numbered about seventy-five, and dancing and progressive whist provided the principal entertainment. The Misses Heron and Sinclair won the ladies' prizes, and Messrs. Morrison and White the gentlemen's. Mr. and Mrs. A. B. Gilmour were the donors of the prizes, and Mrs. Gilmour presented them. Mr. W. Martin

Legal Reports.

Tincture of Nux Vomica.—At the Carlow Petty Sessions last week, Mr. J. J. Bolger, Ph.C., Carlow, was summoned for selling 10 oz. of tincture of nux vomica not of the quality demanded. Sir Charles Cameron, who analysed the sample, stated that it contained twice the quantity of strychnine required by the British Pharmacopœia 1914, and that it had evidently been prepared according to the B.P. 1898. It was argued for the defendant that there was no fraud, as Section 6 of the Sale of Food and Drugs Act, 1875, under which the prosecution was taken, lays it down that there must be adulteration. The Resident Magistrate adjourned the case for four weeks to enable the prosecution to look up the law regulating the use of different Pharmacopœias by chemists. [The Carlow County Council has since refused an application from the inspector for legal assistance.]

Bottle-making Machinery.—In the Chancery Division of the High Court, London, on December 20, Mr. Justice Sargant heard legal argument in the application by the British Association of Glass Bottle Manufacturers, Ltd., to have set aside an order by the Board of Trade suspending the British rights in an American patent for bottle-making machinery in favour of Foster & Sons, Ltd., St. Helens. The European rights had been purchased by a company registered in Dusseldorf, Germany, and to obtain the benefits of the patent in this country the plaintiffs had to take shares in the German concern, an arrangement which applied to other European countries. They had paid large sums for the benefits. The patent had revolutionised the bottle-making industry, and the Association was formed to protect the British makers. The defendants contended that the agreement between the plaintiffs and the German company under which they worked was void owing to the war. His Lordship reserved judgment.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

QUAIN OZONE SYNDICATE, LTD. (P.C.).—Capital 750*l.* Objects: To acquire, work, and deal with certain processes in connection with the production of ozone. Solicitors, Pakeman, Son & Read, 11 Ironmonger Lane, E.C.

JUSTIN & WHITE, LTD. (P.C.).—Capital 5,000*l.* Objects: To carry on the business of surgical, dental, medical, and scientific instrument manufacturers and dealers. The subscribers and first directors are W. J. Edward and F. I. White. R.O., 31 Clarence Road, Kentish Town Road, N.W.

VOXOL PRODUCTS CO., LTD. (P.C.).—Capital 3,000*l.* Objects: To take over the business of edible fat and oil refiners, carried on at 137 and 141 Vauxhall Road, Liverpool, as the "Voxol Products Co.," to carry on the same, and the business of soap-manufacturers, pharmaceutical, manufacturing, and general chemists and druggists, manufacturers of and dealers in toilet-requisites, etc., and to adopt an agreement with Owen Toole. The subscribers and first directors are O. Toole and G. I. James. R.O., 137 Vauxhall Road, Liverpool.

CHR. HANSEN'S LABORATORY, LTD. (P.C.).—Capital 20,000*l.* Objects: To adopt an agreement with Johannes Hansen on behalf of Chr. Hansen's Tekn. Kem. Laboratorium; to acquire and develop that part of the business of the said Laboratorium at Copenhagen which relates to the export of rennet and other dairy and food preparations to the British Colonies and Dominions and all allied and neutral countries; and to carry on the business at Reading or elsewhere in the U.K. Johannes Hansen, Great Northern Hotel, King's Cross, is governing director. R.O., 77 St. Thomas Street, S.E.

CAMWAL, LTD.—The directors inform us that they are unable to hold the annual general meeting of shareholders until early in the coming year, a circumstance which they regret. The completion of the audit has been unavoidably delayed owing to war conditions.

IDRIS & CO., LTD.—The annual meeting was held at the Midland Grand Hotel, St. Pancras, London, N.W., on December 21, Mr. T. H. W. Idris, J.P., in the chair. In the course of his speech, moving the adoption of the accounts and report (see *C. & D.*, December 16, p. 38) the Chairman explained that

so as to enable munition-work to be done, and the increase in capital employed in branch businesses was due to the increase in the metal stock for the same reason. The increase in the "sundry debtors" item is accounted for by the higher prices charged to cover increased cost and the table-water tax, and the increase in "sundry creditors" was also due to the last-named tax. The sinking fund has been increased to enable the company's properties to be written off within sixty years. The Chairman then dealt in detail with the effect of the increases in the cost of material, labour difficulties, and the table-water tax, as mentioned in the report. He said that the feeling in the trade is that the table-water tax is not a fair one, and aerated-water makers are taxed both on the raw material and the finished product. Competing lines, such as lemonade-powders and seltzogene-powders, should be included in this taxation. A Trade Committee is considering the effect of the tax on the business, and it is hoped that the Government will be induced to give some relief. He was not optimistic as to better results on the company's business during the continuance of the war. A discussion followed on the motion for the adoption of the report, some shareholders regretting that a dividend had not been paid. Mr. Idris and Sir James Bradford having replied, the report was adopted. Sir James Bradford and Mr. W. H. W. Idris, the retiring directors, were re-elected.

Births.

DANN.—At The Pharmacy, Hawarden, on December 6, the wife of R. G. Dann, of a daughter.

GLEN.—At 3 Arthur Street, West Kilbride, on December 14, the wife of Arthur C. Glen, chemist and druggist, of a son.

HODGSON.—At Farnham, Ongar Road, Brentwood, on December 15, the wife of Harold F. Hodgson, Ph.C., of a son.

LESCHER.—At St. Hilda, 352 Finchley Road, Hampstead, on December 15, the wife of T. Edward Lescher (Evans Sons Lescher & Webb, Ltd.), of a daughter.

SMITH.—At West Hill, Hitchin, on December 11, the wife of John Beddall Smith, dispensing chemist, of a son.

Marriage.

DICKIE-TOCHER.—At Rubislaw Parish Church, Aberdeen, on December 12, James Dickie, R.E., to Julia, daughter of Dr. and Mrs. J. F. Tocher, 8 Forest Road, Aberdeen.

Deaths.

FILDES.—At Thirlmere, Springbridge Road, Alexandra Park, Manchester, on December 12, Mr. John Ogden Fildes, representative of T. Kerfoot & Co., manufacturing chemists, Bardsley, aged sixty-two. Mr. Fildes had been thirty-five years with Messrs. Kerfoot, and was in business up to the day before his death. He was a faithful and zealous worker for the firm, doing in his younger days much strenuous pioneer work in all parts of the country under conditions which would hardly be tolerated now. When in reminiscent mood Mr. Fildes talked of his early South Wales journeys, which involved leaving Manchester at four o'clock in the morning, and the railway journey was followed by long tramps through the valleys of the Principality, neither trains nor trams being available then. During the whole of his thirty-five years' connection with Messrs. Kerfoot, Mr. Fildes never had a day on the road which failed to yield at least one order. He was always cheerful, discreet in his dealings with customers, faithful to his firm, and possessed many of those qualities which constitute the virtues of a faithful friend and an honest man.

CROSSLAND.—Mr. Charles Crossland, a botanist and mycologist of note, died at Halifax last week, aged seventy-two. He was a butcher, and did not get interested in botany

helped so that he became fascinated, and commenced to study botany. When above forty-five years of age he was asked by Mr. George Massee, head of the Mycological Department at Kew to take up the study of fungi. He did, the result being the foundation of a special Committee of the Yorkshire Naturalists' Union for the study of this subject. With Mr. Massee he compiled a "Fungus Flora of Yorkshire," in which 2,626 species were enumerated. It was published by the Union in 1905. Mr. Crossland also compiled, with Mr. W. B. Crump, a "Flora of Halifax."

GARDNER.—We regret to learn as we go to press that Mr. William Gardner, founder of the business of Wm. Gardner & Sons, Gloucester, Ltd., died on December 14. He was seventy-five years old.

JACKSON.—At Prospect Villas, Wetherby, Yorks, on December 10, Mr. John Jackson, Ph.C., aged seventy.

KEMP-WELCH.—At 2 Porchester Gate, Hyde Park, London, on December 17, Mr. Charles Durant Kemp-Welch, J.P., D.L., aged seventy-one. During the whole of his business life Mr. Kemp-Welch had been closely associated with Schweppes, Ltd., his father, the late John Kemp-Welch, having purchased the undertaking of J. Schweppes & Co. in 1834. On the formation of Schweppes, Ltd., in 1897, Mr. Kemp-Welch became chairman and managing director, and only resigned his chairmanship in the early part of this year on account of ill-health.

LAWSON.—At 176 Perth Road, Dundee, on December 13, Mr. Andrew Lawson, chemist and druggist, aged seventy-three. Mr. Lawson died in his shop, and the news of it caused great regret in the district. He had been in business for more than half a century; in fact, he was registered as a chemist and druggist in business before the Pharmacy Act, 1868, was passed. Before settling down at the West End Medical Hall, Perth Road, he had a shop in Hilltown, but that was about forty years ago, and it is as a Perth Road chemist that he became known to Dundonians, including chemists and druggists. Mr. Lawson was popular with his customers and a clever salesman, but he did not approve



MR. A. LAWSON.

of the earlier-closing laws. He made a feature in his business of the soda-fountain with seasonable drinks all the year round. He was a childless widower. A local journalist writing in regard to him says: "Mr. Lawson was one of the oldest of the city's shopkeepers. His shop was quite a 'landmark' in the Perth Road, and he himself was very well known by young and old alike in the district. He was not simply a dispenser of medicine; he had a wide reputation also as a prescriber for ailments, and many sought his advice in their troubles. He was a great favourite with children, to whom he was a most generous sweet-giver when they entered his shop with their parents or were sent on an errand there. Kindly Andrew will be much missed."

PRATT.—On December 7, Mr. Joseph Pratt, Ph.C., J.P., of Shipston-on-Stour, aged seventy-three. Mr. Pratt was a son of the late Chas. Pratt, of Birdbrooke, and passed his Major examination while with the late Mr. C. F. Loggin, of Stratford-on-Avon. In 1870 he took over the business of his brother, Mr. H. Pratt, at Shipston, and carried it on for forty-six years, being succeeded last spring by his son, Mr. W. Pratt, chemist and druggist. For twenty years he was a Justice of the Peace for Worcestershire and Warwickshire, and had acted as overseer of the poor. He was also a member of the local Technical Education Committee, and acted as rector's warden at St. Edmund's Church for about ten years.

PURDIE.—At 14 South Street, St. Andrews, on December 14, from heart-failure, Emeritus Professor Thomas Purdie, B.Sc., Ph.D., F.R.S., aged seventy-three. Professor Purdie occupied the St. Andrews chemistry chair from 1884 to 1909. He was a native of Biggar, and was educated at the Edinburgh Academy, Royal School of Mines, London, and at the Universities of St. Andrews and Würzburg. Some time ago he presented the university with 5,000*l.* for building and equipping a research laboratory, and this has recently proved of the greatest service.

RATHERAM.—At 100 Dale Road, Bournbrook, Birmingham, on December 7, Mr. William Ratheram, chemist and drug-



MR. J. O. FILDES.

SHARPE.—At St. Mark's Lodge, Rawtenstall, Lancs, on December 6, Mr. Walter Sharpe, chemist and druggist, aged eighty-eight.

SMALL.—At 71 Wilson Street, Perth, on December 14, Christina Henderson, wife of Mr. James C. Small, chemist and druggist, aged forty-two.

THURSFIELD.—On December 12, Mr. John Fincher Thursfield, chemist and druggist, who was in business before August 1, 1868, of 60 Rockingham Road, Kettering, aged seventy-eight. Mr. Thursfield was a prominent member of the Society of Friends.

VINSON.—At Loose, Maidstone, on December 15, very suddenly, Mr. Edward Vinson, chemist and druggist, aged seventy-eight.

WILBERT.—At the German Hospital, Philadelphia, on November 25, Mr. Martin Inventius Wilbert, Ph.M., aged fifty-one. Mr. Wilbert was one of the best-known pharmacists in the United States. He was technical assistant in the Hygienic Laboratory, Secretary of the Section on Pharmacology and Therapeutics of the American Medical Association, and a prominent worker in the American Pharmaceutical Association. Mr. Wilbert graduated at the Philadelphia College of Pharmacy, which in 1903 conferred upon him the degree of Master of Pharmacy. He was formerly apothecary at the German Hospital, at which institution he died from heart-disease.

Died on Service.

CORIN.—Private Harold Corin, of the Honorable Artillery Company, late assistant with Watson & Co., chemists and druggists, Mitcham Road, Tooting, London, S.W., was killed in action on November 30.

GRAHAM.—Private Claude Graham, Hants Regiment, who has died in hospital at Alexandria, aged twenty-four, was the youngest son of Mr. F. A. Graham, pharmacist, of 21 Beaulieu Road, Bournemouth. He was engaged in his father's business when he enlisted nearly two years ago. In the autumn of 1915 he volunteered for service in Mesopotamia, was taken prisoner by the Turks, and, being exchanged, was sent to hospital at Bombay, and later to Alexandria, where he passed away on November 8, five days after his arrival.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MISS R. HAWKS has been appointed dispenser at the Hunslet Union Infirmary.

MR. S. NORMAN PICKARD, pharmacist and optician, Ossett, Yorks, was, at the Festival of St. John on December 11, elected to the Junior Warden's Chair of St John's Lodge, No. 827, Dewsbury.

MR. JAMES PASCALL, founder of the confectionery business of James Pascall, Ltd., Blackfriars Road, London, S.E.,

has celebrated the jubilee of the business, and on the occasion his staff presented him with a handsome dining-room clock with Westminster chimes, at a dinner held in Anderton's Hotel, the gift being a visible expression to Mr. Pascall of the staff's deep regard and esteem. Mr. Pascall started the business in a small building in Wells Street, Oxford Street, W., and within a few years it expanded so much that he had to move,

other premises being obtained in Valentine Place, Blackfriars Road, where also there has been much extension, but the factory includes the premises that were taken over by Mr. Pascall when he removed from the West-

end. The Pascall production that is most familiar to chemists and druggists all over the world is "Golden Maltex," in which Mr. Pascall combined Allenburys malt extract in such an attractive and agreeable fashion that the confection has become a favourite in all parts of the Empire. This is, however, but one of many of the Pascall products, the house being particularly noted for its Christmas productions as well as chocolate goods and allied confectionery, for which a special factory was erected at Mitcham in 1904. The business was converted into a private limited company in 1893, and Mr. Pascall has associated with him in its direction five of his sons, Mr. Sydney Pascall being the eldest, and the others are Mr. Lawrence Pascall, Mr. Fred Pascall, Mr. Wilfred Pascall (now on active service), and Mr. Alfred Pascall. There has also grown up around him a devoted and loyal staff, comprising several members who have been connected with the business since its foundation. We are indebted to "The Confectioners' Union" for the portrait of Mr. Pascall.

MR. E. W. GOUGH, general manager of Lewis & Burrows, Ltd., chemists, London, has attained his majority in that position, and the directors, with his colleagues, emphasised the fact by presenting him with a silver tea-and-coffee service. This was done at a dinner in the Holborn Restaurant on Thursday evening, December 14, given by the directors of the company to the managers of branches and other prominent men working for Lewis & Burrows, at which Mr. J. R. Brough presided—his co-directors, Mr. W. B. Trick and Mr. J. K. Matterson, being with him, but Mr. Hounsell was kept away through illness. After the company had toasted the King and the Chairman had spoken of the record year that the company was closing that day, Mr. T. E. Cushing, manager of the L. & B. branch in Oxford Street, presented the silver to Mr. Gough, making an excellent speech, in which every one present picked out the references to their chief—his optimism, his "squareness," his consistently friendly advice, and his helpfulness in all things. On the gift was inscribed the following tribute:

Presented to Ernest William Gough, Esq., General Manager, as a mark of appreciation from the directors, the branch managers, and the rest of the staff of Lewis & Burrows, Ltd., to celebrate the twenty-first anniversary of his joining the company.

Musical honours followed Mr. Cushing's speech, after which Mr. Gough replied in a manner that will long be memorable, the words of thanks being blended with appreciation of master and man that showed where the seat of the Gough conviction is. Afterwards "Lewis & Burrows, Ltd." were honoured, the secretary submitting the toast, and the company responding, while Mr. Trick and Mr. Matterson replied. Finally came an expression of thanks to the directors for their hospitality (the bonus given to all at this time not being forgotten). Mr. Walker submitted this, Mr. D. P. Jones supporting, and Mr. Trick acknowledging. Altogether it was an enjoyable night, and we have not referred to the music, which was excellent. The directors of Lewis & Burrows on Tuesday gave Mr. Gough a seat on the board, making him managing director.

MR. WILLIAM E. KINSMAN, chemist and druggist, who for over sixteen years has been dispenser at St. James's Infirmary, Ouseley Road, Wandsworth Common, has been appointed by the Wandsworth Board of Guardians registrar of births and deaths for the sub-district of Streatham.

Westminster Wisdom.

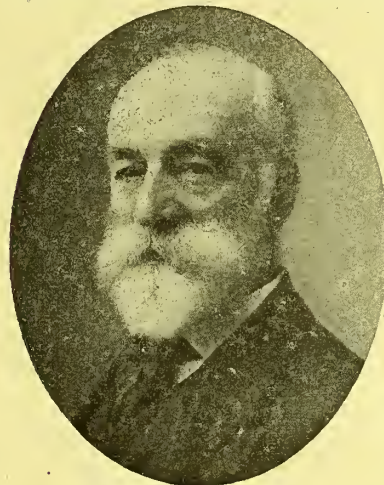
By the "C. & D." Parliamentary Representative.

PROROGATION OF PARLIAMENT.

According to present arrangements the prorogation of Parliament to a date early in February is taking place to-day (Friday).

THE NEW MINISTRY.

Contrary to general expectation in the Lobbies—writes our Parliamentary correspondent—Sir Edwin Cornwall, M.P. for Bethnal Green, and not Sir L. Worthington Evans, Bart., M.P. (who has gone to the Ministry of Munitions), is to be the new Chairman of the National Health Insurance Joint Committee and the representative of that body in the House of Commons. Sir Edwin's post in the new Ministry is that of Controller of the Household, a position recently vacated by Mr. Charles Roberts, M.P. Sir Edwin, as is well known, is a popular London member and a past Chairman of the London County Council. He is a persistent questioner in the House of Commons, but his interrogatories are always to the point, and are addressed to Ministers with the genuine purpose of eliciting information, and not to cause embarrassment,



MR. JAMES PASCALL.

as is so often done.—An exceptionally interesting appointment to those connected with the drug-trade is that of Sir Richard Winfrey, M.P. for S.W. Norfolk, who has been made Parliamentary Secretary to the Board of Agriculture, a position previously held by Mr. Acland. Sir Richard was Parliamentary Secretary (unpaid) to the Marquis of Lincolnshire when he was President of the Board of Agriculture, and held the position from 1906 to 1910. He was knighted in 1914. It is long since he left pharmacy, but he keeps in touch with it as far as association with pharmaceutical organisations enables him to. He is the son of the late R. F. Winfrey, Long Sutton, and was apprenticed to a pharmacist in Stamford; he passed the Minor examination in December 1879 and the Major in



SIR RICHARD WINFREY.

April 1880. As an assistant in Bell's, Oxford Street, he was one of the first to support the Chemists' Assistants' Association, and became its President. Before the 'eighties of the nineteenth century were gone he had left pharmacy and become attached to the small-holdings phase of agriculture (in which subject he is an expert). He became manager of several newspaper companies, making Peterborough the centre. He is an ex-Mayor of that city, and Sutton House there is his home. In the House of Commons on December 15 he was questioned by Sir P. Magnus, M.P., in regard to shipments of linseed, when he stated that out of the total shipment from the Argentina of 3,350,000 quarters of linseed since January 1 last, 910,000 were sent to this country, 1,120,000 to the United States, and 1,363,000 to the Continent of Europe. The last recorded shipment to this country was October 29 and to the Continent November 23. The whole situation in regard to supplies of linseed is being carefully watched, he said, and every available means of bringing fresh supplies to this country is being utilised.

REGISTRATION OF BUSINESS NAMES BILL.

After a somewhat chequered career in both Houses of Parliament, the Registration of Business Names Bill, which owes its passage into law mainly to the energies of Lord Southwark, is receiving the Royal Assent this week.

MANUFACTURE OF ALCOHOL.

Mr. Bonar Law informed Sir H. Roberts on December 19 that he is unaware that the French Government has decided to requisition alcohol for national defence, and to suppress its ordinary consumption. He is unable to make any statement as to the views of the Government at the present time.

SACCHARIN AS A FLAVOUR.

Captain Bathurst, M.P., Parliamentary Secretary to the Food Control Department, announced on Monday, December 18, that the possibility and desirability of extending the use of saccharin for flavouring-purposes will be considered, but saccharin has no food-value. As the raw materials from which glucose is made would have to be imported and would occupy more tonnage than an equivalent amount of sugar, there would not appear to be any advantage in offering special encouragement for its manufacture.

SUPERPHOSPHATES AND SULPHURIC ACID.

Dr. Addison informed Lord H. Bentinck in the House of Commons on Tuesday, December 19, that he is aware that in Great Britain, as in other belligerent countries, the production of superphosphate has been reduced owing to a proportion of sulphuric acid so used having been diverted to the manufacture of explosives. Every effort is being made by the Ministry of Munitions to release the largest possible quantity of acid for the manufacture of artificial manures, but it is regretted that no hope can be held out of substantially increased supplies being available for this purpose for some time to come.

SYNTHETIC INDIGO.—Levinstein, Ltd., Ellesmere Port, Liverpool, are placing on the market the "L.L." brand of synthetic indigo, which has been wholly produced in this country. The significance of this step will be appreciated when it is considered that the Germans were the only producers of synthetic indigo before the war, and that the profits which the German chemical-industry obtained from this monopoly were very large.

Trade Notes.

VACUUM FLASKS are offered on special terms this week by Millard Brothers, Ltd., 123 Houndsditch, London, E.C.

THE SANITAS CO., LTD., call attention to the fact that they have no connection with the "Sanitas" Electrical Co., Ltd., which has been wound up.

FOR TAPPING MANCHURIAN TRADE Hamasaki & Co., of Dairen, solicit support. Some of the goods they handle are mentioned in their advertisement.

THE NICKELLED HAIR-BRUSH made by M. Neuhafer & Levi, 11 Fore Street, London, E.C., makes a good and seasonable gift, although 1s. 3d. is all that customers have to pay for it.

J. D. SANTAL-OIL CAPSULES.—Shortly after the *C. & D. Diary* 1917 was put to press the price of these capsules was raised from 18s. to 20s. per dozen boxes. Will readers please make the necessary correction in price on p. 445 of the *Diary*?

CUTICURA TOILET-SOAP.—Francis Newbery & Sons, Ltd., Charterhouse Square, London, E.C., the "Cuticura" agents, inform us that the supply of Cuticura toilet-soap has been resumed. The prices are revised, the soap being now 10s. per doz. net, with special quotations for large quantities.

THE "LITTLE VICTOR" INHALER is a clever production to retail at 1s. 3d., which Cockburn & Co., Ltd., Glasgow, have introduced, Henry Quelch & Co., 4 Ludgate Square, London, E.C., being the English agents. A glance at the advertisement will show retailers how good an opportunity this presents for making money.

COX'S DIARY.—Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, have issued a pocket-diary for 1917. It is a neat leather-covered booklet, measuring $4\frac{1}{2}$ by $2\frac{3}{4}$ in., and space is given in the diary for three or four days on each page. The company offer to send a copy, so long as the stock lasts, to those chemists who apply at once.

LUDFORD & CO., bottle-makers, Brooks's Walk, Homerton, London, N.E., have published this year some effective wall calendars. The specimens which have been sent us show that they are adapted for the times. For example, one of the calendars has upon it a photogravure "Home Again," in which a hero soldier in being taken round the village in a cart, with villagers taking the place of the horse. Another has a Heath Robinson picture representing "Lion-hunting in Chikwampu," the humour of which will appeal to even the most depressed.

WELLCOME PHOTOGRAPHIC DIARY.—The 1917 edition of the Wellcome Photographic Exposure Record and Diary has been issued this week by Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C. This publication has now a well-defined position with photographers, and the new issue is well up to the high standard of previous years. The chief feature of the literary matter is the "Short Guide to Photographic Practice," and there are, in addition, numerous tables for time and factorial development and exposures under different conditions, the utility of which is appreciated by photographers. The pages for exposure-recording and the diary are cleverly arranged, and there is the usual mechanical exposure-calculator in the inside of the back cover. The book is bound in pocket-book style in light-green buckram, and sells retail at 1s. The wholesale terms are on the usual scale, and have already been announced in the firm's advertisements.

EASTERN FOAM.—This new cosmetic-cream, which has been introduced by The British Drug Houses, Ltd., Graham Street, City Road, London, N., as an alternative to their Frozen Foam, is a delightful preparation to use. The cream is put up in wide-mouthed oval bottles, which are closed by means of a washed glass disc and screw-top. The cream has the silvery lustre appearance that is so much liked, and its odour is pleasing, while it leaves the skin quite soft. Each bottle is enclosed in a carton, upon which an Oriental girl poses, and otherwise the design is of an Oriental nature. This is also carried out on an easel-backed showcard, measuring 10 in. by $6\frac{1}{2}$ in., and the company also supply an electric-light shade, that combines an Eastern Foam advertisement with one of Ficolax. We mentioned last week that the repeat orders for this vanishing-cream have surprised even the makers, and in view of its distinctive and beneficial characteristics this is not surprising. They provide good window-shows.

Observations and Reflections.

By Xrayser II.

The Appearance of Your "Diary" for 1917

(which reached me on December 14) is the pharmaceutical event of the week. Though necessarily reproducing much of the same matter year after year, the *Diary* never fails of some new feature of interest, and the matter which is old in substance is so brought up to date and presented in the light of new experience as always to have a fresh value. This is particularly true of the issues of the last two or three years, in which so many legal changes affecting the craft have had to be recorded and their effects summarised. In this respect the *Diary* is indispensable to all pharmacists; nowhere else, so far as I know, have we a legal guide so concise and complete. It is significant of the times that this section is again considerably extended, and I fear you will have occasion to extend it still further twelve months hence. You are, in my judgment, a little too optimistic in your prefatory remarks on our war economy. Certainly things are in the main working more smoothly with us than might have been anticipated, but the sugar and glycerin questions (to name no others) might have been more deftly handled, and are causing us unnecessary trouble. German methods have in some cases erred through over-rashness, but ours have occasionally erred through over-timidity. Bolder measures will yet be necessary, and they might with advantage have been taken at first.

Returning to the "Diary,"

there are several noticeable features in which it shows an advance on that of last year. Though it has virtually the same number of pages it is considerably lighter to handle, and the substitution of green for red in the colour of the literary pages is grateful to the eye. It is satisfactory to find an increase of nearly a score of pages of advertisements, and the advertisements themselves show no falling-off either in commercial value or artistic attractiveness; indeed, there is one page—which, however, it would be invidious to name—which seems to me to reach the high-water mark of design in this kind, though there are two or three others which run it close. The one to which I specially refer is not a repetition of an old success. Your saving of blotting-paper in the *Diary* proper has been most ingeniously effected, and does not materially reduce its practical utility. I always look on the *Diary* as a Christmas gift, and I heartily thank you for it.

The Interpretation

of the term "the drug" in the amended clause of the Cocaine and Opium Regulation 40B appears to me perfectly plain and unmistakable. The drug referred to in both cases in which the term is used is undoubtedly the same—namely, cocaine. If instead of "the drug" "cocaine" had been used as the last word of the clause the sense might have been more immediately obvious, but it would not have been more certain. The meaning is that any solid or liquid extract of the coca-leaf containing the same percentage of cocaine as the preparations already declared to be included under the expression "cocaine" shall also be included and be subject to the same Regulation. No other interpretation is logically possible.

"The Lavish Expenditure of Paper and String

by which the struggling chemist endeavours to reconcile the public to paying twice as much as would be demanded elsewhere" (I quote from memory) was ridiculed by Mr. Anstey many years ago, but it has survived his sarcasm, and will, I fancy, survive the criticism of Mr. David Gilmour. My long and varied experience of the trade assures me that in normal times, and other things being equal, the pharmacist who is neat and careful in wrapping up and finishing off his parcels has a great pull on the public over his less punctilious neighbour. Mr. Gilmour

reminds us that if we take care of the pence the pounds will take of themselves, but he seems to forget that there is such a thing as being penny wise and pound foolish.

The Apathy

of South-West London pharmacists, of which Mr. Breese complains so pathetically, is probably due to a variety of causes, and may, indeed, be more apparent than real. It would not be fair to lay too much stress on their failure to respond to his summons on the occasion of Mr. Sargeant's address. Possibly the subject did not attract them; it has been worn somewhat thin by recent beatings of the drum pharmacutic, and men with little leisure, foreknowing quite well what they had to expect, may be excused for not being drawn from their own firesides on a cold winter night, even by Mr. Sargeant's eloquence. I know that our friends South of the Thames are as alive as any of us to anything that really affects their interests.

What are Saccharin Tablets

composed of? This question was discussed in my hearing a few days ago, and the general impression was that such a tablet consisted of pure saccharin. This, however, is not likely to be the case, since saccharin itself is not soluble in a neutral (or acid) medium. An alkali is necessary to enable solution to take place, and in tablets the saccharin is usually associated with sufficient sodium carbonate, or bicarbonate, to produce a soluble compound. Hence many saccharin tablets are found to effervesce when they are dropped into water or tea. Apparently, however, there are saccharin tablets on the market which contain milk-sugar as a diluent. This is a reprehensible practice, because saccharin is prescribed for and taken by diabetic patients, who should on no account take sugar in any form. Apart from this there is the possibility of an action arising under the Sale of Food and Drugs Acts, for selling as saccharin tablets a preparation the greater part of which is not saccharin.

Formaldehyde Fumigation

by the direct evaporation of the solution has been in use for many years, but it has never been very popular. One method consisted in the use of a large kettle, not unlike a bronchitis-kettle, the spout being inserted into the keyhole. All the apertures of the room having been carefully closed, the formaldehyde-vapour was forced through the keyhole. This method was superseded by the permanganate process, and this is, I believe, largely used, especially by Government Departments, to whom expense is no obstacle. The intense heat produced by the chemical combination vaporises a large proportion of the liquid, and in using the process a relatively large pail must be employed for holding the formaldehyde, otherwise there is a tendency for the liquid to boil over. The reasons why the method has been abandoned by large hospitals are the expense (a large quantity of formaldehyde being required) and the fact that the direct application of a solution is much more effective than the use of a more or less dry vapour. If vaporisation is being resorted to, by far the most effective method is to spray the solution by means of a very fine spray, but this requires the use of a mask by the operator. For purifying sick-rooms I invariably recommend the spraying of a small quantity of a 1-per-cent. solution, and if properly protected no harm comes to the patient.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

| | |
|--|---|
| 163/14. Gibson's silk-twist, surgical. | 160/63. "Cimnos" waterproof sheeting. |
| 163/59. Charles Stafford's rheumatism-cure: address of makers. | 162/30. Mentholated Eau de Cologne in sticks. |
| 162/65. "H. H. H." | 164/37. "Pedezy" foot-powder: |

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LOCKSLEY STREET, LIMEHOUSE, LONDON, E., manufacturers of "SANITAS" and all other kinds of Disinfectants and Sanitary Appliances, give public notice that there is no connection whatever between this entirely British Company, which was first incorporated in the year 1878, and the "SANITAS" ELECTRICAL CO., LTD., which, as recently announced in the Newspapers, has been ordered by the Board of Trade to be wound up under the provisions of the Trading with the Enemy Act, 1916.

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Editorial Articles.

"Peace and Prosperity."

THE OLD PHRASE comes back to us as man's common wish at Christmastide. It has a special significance in these times, when a terrible perversity has driven so many millions to arms. Dark as some days have been, pitiable as personal griefs are, and great as are the efforts to win the right, they are but the outcome of war, and we know that Peace will prevail. So when THE CHEMIST

AND DRUGGIST is opened this week subscribers will observe that from the first page to the last their friends in business send them goodwill greetings. We need not do more now than associate ourselves with the good wishes so well expressed, but we may say that we Britishers have fuller confidence in the issues of the great conflict, and look forward to the New Year with confidence for although there may be difficulties in the way, we know that the cheerful heart and willing mind have made the rough ways smooth, and have changed difficulties into incentives to better effort. So, once again, "A Merry Christmas to all."

National Service.

It would not be right, rather would it be an incorrect measure of events, were this number of THE CHEMIST AND DRUGGIST to go to press without reference to the Parliamentary proceedings of Tuesday, December 19, when Mr. Lloyd George spoke for the first time as Prime Minister. On this matter we need say nothing; for Mr. Asquith, his predecessor, said it for us and for all who have pride in ranking themselves as Britishers. He said:

"My first duty, and it is a very agreeable one, is to congratulate my right hon. friend with all my heart upon his accession to the highest and most responsible place in the service of the Crown. No one knows better, no one knows as well as I do, the extent and the degree of the cares, labours, anxieties which at a time like this the incumbency of that office brings with it. I earnestly hope for him, not only for his own sake but for the sake of the country and the Empire, that he will be sustained by a full measure of physical strength and energy, and I can assure him he will have in the prosecution of a task of unexampled magnitude and difficulty the wholehearted sympathy of persons of all classes and all parties in this House."

This was well said: it reflects what we all feel—the British Empire is fighting less for itself than for those great principles of humanity that this season especially commemorates. In his speech the Prime Minister kept to the last a reply to the German levy by the mobilisation of the labour reserves of this country. He announced that the War Cabinet had accepted the conclusion of the old War Committee that the time has come for the adoption of the principle of universal National Service. The Cabinet believe that the plans they have in view will secure to every worker all that he has the right to ask. Mr. Neville Chamberlain, the Lord Mayor of Birmingham, has been appointed Director-General of National Service. In regard to civilian service, it is proposed that the Director shall proceed by the scheduling of industries and of services according to their essential character during the war. Labour that is set free from non-essential industries will be available to release potential soldiers and to increase the available supply of labour for essential services. This labour will be invited to enrol at once for war-work. Mr. Lloyd George warned the country that if the required number of volunteers is not obtained, the Government will not hesitate to ask Parliament for the necessary powers for rendering their plans fully effective. We do not speak for a trade which has been remiss in war-work. In the wholesale and manufacturing departments of pharmacy war-work is dominant, and two-thirds of the men who were engaged in it when the war began are now fighting-men. Retail pharmacy has been denuded of its assistants, and even of the younger employers. Nevertheless the British drug-trade at home and abroad will help to sustain the life of the nation by the National Service which Mr. Neville Chamberlain is to direct.

Government Chemist's Report.

THE report of the Government chemist for the year ended March 31, 1916, has been issued this week, and, although it includes a full year of war, it is a record of increased activity, owing to the number of samples which have been examined for the Admiralty, War Office, and War Trade Department. The number of samples of foods examined in connection with supplies to the Expeditionary Forces was 8,901 compared with 1,348 last year. In connection with the increase in the number of cases of under-declarations of the strength of worts, it is noted that this is probably due to the fact that the new original-gravity table, legalised by the Finance Act (Session 2), 1914, permits a more accurate determination of the true original gravity of partly fermented worts than was possible with the table formerly in use. The percentage of alcohol in 191 samples of herb-beer was determined; in 144 cases the alcohol did not exceed 2 per cent. of proof spirit; 31 samples contained between 2 and 3 per cent.; 7 between 3 and 4 per cent. and 5 from 4 to 7 per cent. of proof spirit. Brewing-materials are still being examined for arsenic, but out of 1,797 samples only six contained arsenic in excess of the limits suggested by the Royal Commission on Arsenical Poisoning, and these articles were not allowed to be employed in brewing. It is interesting to note that a special examination has been made of ciders and perries for the Board of Agriculture and Fisheries, and a few were found to be factitious. Many samples of denaturants for spirit have been examined, and beverages and medicinal preparations in which the presence of methylated spirit is suspected. Advice was given on some 600 applications for permission to receive methylated spirit or other forms of duty-free alcohol in manufactures, tuition, and research. The sugar-duty has occasioned much work in examining imported articles suspected of liability to payment of the duty; and it is mentioned that although honey is not assessable to duty, it is frequently adulterated with invert sugar, which is chargeable with duty. Many examinations of proprietary medicines were made for various purposes under the Medicine-stamp Acts. Under the Sale of Food and Drugs Acts, seventy-five samples were referred to the Government chemists by magistrates.

Index to Volume LXXXVIII.

WITH next week's issue we complete the eighty-eighth volume of THE CHEMIST AND DRUGGIST, which is covering the year 1916. The title-page and index for the complete volume will be ready early in the New Year. Owing to the continued shortage of the paper-supply and Government provisions which our readers equally with us desire to meet, the title-page and index will be sent post free to subscribers who bind their copies, and such are requested to inform by post the Publisher of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., if a copy of the title-page and index should be sent to them. This applies to subscribers abroad as well as those at home, and the offer will remain open in order to give everybody time to apply.

Things the Germans Want.

THE cost of drugs in Germany as compared with those in England was the subject of a recent note in the "British Medical Journal," whose authority was Professor H. Führer, director of the Pharmacological Institute of the Königsberg University. He endeavours to show that Germany is paying much less for her drugs than England. Naturally, the professor fastens upon a few glaring instances, like opium, quinine, salicylates, and acetylsalicylic acid, but since the professor wrote, in April last, the prices of the above (with the exception of opium) have fallen considerably in this country—e.g., acetylsalicylic acid has declined more than one-half: it was 47s. 6d. in April, and is now 21s. per lb.; while the salicylates, which were selling at 20s. in April, are now selling at about 6s. in London. Quinine in the same period has dropped from 3s. 6d. to 2s. 6d. per oz. and less. What the professor omits to mention is that Germany has been unable to obtain common drugs like aloes, senna, cascara sagrada,

and rhubarb for several months past, and other drugs have had to be used as substitutes, thanks to the blockade. Best white pepper has been selling in Germany at about 12s. per lb., whereas in Mincing Lane 11½d. to 1s. per lb. will buy the finest white Muntok. The same is true of shellac, which, as an article of commerce, has almost disappeared from Germany. Professor Führer indicates that the price of iodine (an imported drug) is no higher than before the war, and the same applies to potassium iodide. No doubt Hamburg had accumulated large stocks of crude iodine in view of the war. England is, however, still in the hands of the iodine "ring," which is under Teutonic influences, and it is to be regretted that so important a drug as iodoform should stand to-day at 20s. per lb. in the first-hand market. Professor Führer admits (what everybody knows) that there is an embarrassing shortage in Germany of all fats, and that paraffin and vaseline are four times as costly as before, while no cheap base for ointments is procurable. Since April last the conditions under which the drug-trade in Germany is carried on have gradually become worse, and, as will have been noticed from our Trade Reports of the Hamburg and Berlin markets, there has been a growing scarcity and sharp advances in many chemical and drug products, even among those in which Germany is *facile princeps*. This is due to the scarcity of labour and raw materials, and to the fact that importation from abroad has ceased, or only limited quantities can be obtained, these now standing at very high prices. Germany's difficulties, even in the chemical and drug markets, have increased month by month, and the sheaves of decrees issued by the authorities as to what must or must not be done have become embarrassing to the makers of chemical and pharmaceutical products. There is no room for German professors crowing; we know how clever they are, but, like other people, they cannot set aside the effects of war engaged in by millions of people. They are living in a country whose ships have not been equal to the task of providing them with the things they want, and they are dreadfully short of the things that they are most in need of—cathartics and pepper. The which they will get in abundance one of these days, figuratively and actually.

British Dyes.

At the British Association annual meeting in Newcastle-on-Tyne this year Mr. C. M. Whittaker, B.Sc., of British Dyes, Ltd., read a paper on "The British Coal-tar Colour Industry in Peace and War," in which he gave a summary of the work already done in this country to supply dyes of all kinds since the war began. Mr. Whittaker delivered a lecture before the Royal Society of Arts last week on a similar subject—"The British Coal-tar Colour Industry and its Difficulties in Time of War"—Sir William A. Tilden presiding. The lecture was most inspiring, for it was an account of how our dye-manufacturers have overcome difficulties that were sufficient to kill all effort, for munitions have always been first and before dyes. Mr. Whittaker said practically nothing about British Dyes, Ltd., but we may recall the fact that the opposition to that body was so great when the Government was founding it that the capital at first asked for had to be reduced from two millions to half a million, although the capital represented by similar factories in Germany is thirteen and a half millions. The principles upon which the company was formed enable it to get more capital, and we reported (*C. & D.*, December 9, p. 39) that securities for 1,700,000l. have been covered. Touching upon the financial point, Mr. Whittaker stated that, although the difficulties were so great two years ago as to threaten the dyeing and textile industries of this country, those industries now stand firm on the Stock Exchange, which is perhaps the best proof that they are doing well; in fact, our dyestuff-trade, instead of sinking in disaster, has never been so prosperous as it is now. Mr. Whittaker mentioned with pride that in December 1915 one British firm alone delivered 145,000 lb. weight of khaki-wool dyestuffs, in spite of the very great difficulty in getting the raw materials. The lecture contained interesting particulars regarding many chemicals, and conclusively proved that our manufacturers are doing well.

Pharmaceutical Society of Ireland.

Council-meeting.

THE COUNCIL met at 67 Lower Mount Street, Dublin, on December 12, Mr. James Tate (President) in the chair. Also present were Messrs. James Michie (Vice-President), G. D. Beggs (Hon. Treasurer), Thomas Batt, R. Blair, J. H. Bowden, J. E. Connor, J.P., John Smith, D. M. Watson, A. Owen Wells, W. F. Wells, Dr. A. J. Barnes, and Dr. J. A. Walsh.

CHANGES OF ADDRESS.

The following changes of address were notified:

Mr. J. Corcoran, Ph.C., to the Medical Hall, Thomastown, co. Kilkenny.

Mr. D. A. Dolan, Ph.C., to 20 Bolton Street, Dublin.

Mr. P. J. Hickey, Ph.C., to the Modern Pharmacy, Rathkeale, co. Limerick.

Mr. G. Strong, Ph.C., to the Medical Hall, Main Street, Dungarvan, co. Waterford.

Mr. R. A. L. Wilson, Ph.C., to the Medical Hall, High Street, Trim, co. Meath.

Mr. Thomas Connolly, Ph.C., to the Old Pharmacy, 22 Main Street, Tipperary.

Mr. F. T. Hoey, Ph.C., to 140 South Circular Road, Kilmainham, Dublin.

Mr. W. T. Gordon, R.D., to 283A Newtownards Road, Belfast.

Mr. G. C. Hewson, R.D., to Main Street, Charlestown, co. Mayo.

PRELIMINARY REGISTRATION.

Messrs. G. Butler, F. Kiernan, T. H. Kelly, and C. T. Tuttle, who submitted Intermediate Education Board certificates, were admitted to Preliminary registration.

WAR BONUS TO THE REGISTRAR.

The VICE-PRESIDENT proposed: "That 20% be granted to the Registrar as a war bonus." He said the devotion of their Registrar was known and recognised by the members of the Society as well as by the members of the Council. He had been a very faithful official, and for his zeal and efficiency in the discharge of his duty he was highly esteemed by the members of the Council. Now, when the cost of living had been greatly increased, it was opportune to give him this bonus.

Mr. W. F. WELLS seconded the motion, which was supported by Mr. BEGGS, Dr. WALSH, Mr. WATSON, and the PRESIDENT, each of them expressing appreciation of Mr. Ferrall's assistance and work. The motion was passed unanimously, and the PRESIDENT, in conveying the matter to Mr. Ferrall, said it was their wish that his health and strength might be preserved for many years. Mr. FERRALL returned thanks.

EXAMINATIONS FOR PRELIMINARY REGISTRATION.

Mr. SMITH proposed, in accordance with notice of motion—

That the regulation dealing with the acceptance of Preliminary examinations held by other bodies (Calendar, 1916, pp. 97 and 98) be rescinded and the following substituted therefor:

"The following examinations are also accepted:

The Matriculation or Preliminary examination of the University of Dublin. Public Entrance examination (large certificate).

The National University of Ireland Matriculation examination. The Royal Colleges of Physicians and Surgeons, Ireland, Preliminary examination.

The Intermediate Education Board for Ireland Junior, Middle, or Senior Grade examinations in the following subjects:

English, Latin, arithmetic, algebra, geometry, and one of the following subjects:

Greek or a modern language.

Or such other examinations as shall be deemed by the Pharmaceutical Council as equivalent thereto. Any such examination to be passed prior to the statutory service at pharmacy, unless such service has been commenced before January 1, 1907. The usual fee of two guineas to be paid."

He said the existing regulation stated "or such other examination as shall be deemed by the Pharmaceutical Council as equivalent thereto, all the subjects having been passed at one time." This requirement in reference to all the subjects being passed at one time had given them no end of trouble, and it was a requirement that the Council would be well advised to dispense with if they could see their way to do so, because there were a number of candidates coming forward for the examination now who probably, under ordinary circumstances, might not come. They had had a number of students who had not passed all the subjects at one time, but who nevertheless had been accepted by the National University as Matriculated students. It was very hard lines that they could not accept candidates who had gone through the Intermediate examinations up to the senior grade because they were a subject short. They accepted the certificate of the College of Physicians and Surgeons in Ireland, though they did not

require their candidates to pass in all their subjects at one time. The regulation of the College of Physicians and Surgeons in regard to their Preliminary examination stated: "A candidate may get credit for every subject in which he obtains pass marks, provided he passes in all four subjects at not more than two examinations. He can offer himself for re-examination as often as may be necessary to satisfy this condition." If they omitted this particular clause to which he had referred, the Council would be in a position to accept certificates that showed an education sufficient for entering on the business.

Dr. WALSH seconded the motion, and spoke of the advantages that would arise from the change.

Dr. BARNES suggested that the motion should read so as to include the Matriculation examinations of the National University of Ireland, the Queen's University of Belfast, and the late Royal University. He strongly urged the inclusion of the subject of commerce in the Society's Preliminary prospectus.

Mr. W. F. WELLS said they wanted by this motion to do one thing for the outside examinations and another thing for their own examination. He proposed as an amendment that the matter be referred to a Committee in order to have the whole thing threshed out.

Mr. WATSON seconded the amendment, and said his principal reason was because he did not agree with Mr. Smith's proposal specifying any examination.

Mr. SMITH said he did not suggest that they should give candidates permission to pass the Preliminary examination piecemeal, but the regulation as it stood interfered very seriously with the discretion of the Council with regard to what they considered an examination equivalent to their own examination.

The PRESIDENT having expressed indebtedness to Mr. Smith, the motion was referred to the Law and School Committees.

MEMBERSHIP.

Mr. David Henderson, Ph.C., Lisburn Road, Belfast, was elected a member of the Society, and Mr. R. L. Chambers, Ph.C., Lisburn, and Mr. M. J. Cullen, Ph.C., Sligo, were nominated as such.

The REGISTRAR reported the death of Mr. John Mullin, M.P.S.I., Belfast, and also submitted reports from the Law Committee and the House Committee, which were adopted.

Society of Chemical Industry.

THE first of a series of informal discussions of the members of the London Section took place at the Birkbeck Café, High Holborn, W.C., on December 19. There were about fifty members present, who sat at small tables, smoking being allowed, and refreshment being obtainable. Mr. A. R. Ling was in the chair, supported by Mr. T. D. Morson (Hon. Secretary) and other members of the Committee. At the outset the Chairman explained the reasons which had led to the decision to hold informal meetings, the chief being to give an opportunity to the younger members to discuss the work of the Section. He touched also upon the need of federation of chemical societies, and said that if such an organisation had been in existence at the outbreak of war the Government would doubtless have utilised such a body as a source of expert knowledge on chemistry instead of applying to the Royal Society. He mentioned the suggestions that had been made for a permanent home for the Section, and, as evidence that some effort should be made to increase the membership, stated that in 1898 there were 1,000 members, and that that number has in the interval increased only by thirty-six. The Chairman then invited members to continue the discussion, and some interesting suggestions resulted. The first speaker dealt with the relation between directors of a company and their chemists, and then a director gave his view of the matter, asking at the same time that there should be popular articles on chemical subjects in the Society's "Journal." Another speaker complained that only a page or so of the "Journal" interested him, and caused some amusement by referring to patents granted to Germans, the specifications of which were not a true disclosure of the processes. A member touched upon the "miraculous chance" which has been given to chemical industry in this country by the wiping-out of German competition, but complained that practically nothing has been done to cope with the competition which is bound to take place after the war. He suggested that a Committee be appointed to formulate a scheme for a chemical club. It was suggested by another speaker that there might be discussions of a general nature on such matters as the treatment of workmen, filtration, and the invalidity of patents. Mr. Morson,

intervening, said that before the war he had placed before the Committee a scheme for a chemical industry club, which was intended to develop the social side of the Society's work. He referred to the formation of the Association of British Chemical Manufacturers, which is destined to take an important part in the chemical industry of this country. The international character of the Society of Chemical Industry must not be lost sight of; it was this that had necessitated the creation of a special body to deal with interests peculiarly British. Dr. Keane and Mr. W. F. Reid, in sympathy with the suggestions for forming a chemical club, pointed out some of the difficulties that would have to be encountered. Mr. Reid showed that the view that only a page or so of the Society's "Journal" interests a particular member is a narrow one. His personal experience has been that there is greater scope for those with a wide knowledge of the different branches of chemical industry. Eventually a resolution was moved by Mr. Bernard Howard, seconded by Dr. W. R. Hodgkinson, and carried unanimously that "a Committee be appointed to consider the steps that should be taken to form a chemical industry club of the Section, and to report to the Committee of the London Section." The Committee appointed consisted of Messrs. A. H. Dewar, H. E. Coley, and B. F. Howard, with the Chairman and Secretary of the Section as *ex-officio* members.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Complaint against Doctor.

We reported in our issue of October 14 (p. 45) the hearing of a complaint by the Middlesex Insurance Committee against Dr. Bernard Price O'Neill, Chiswick, in which it was alleged that his continuance on the panel of medical practitioners is prejudicial to the efficiency of the medical service of insured persons. The Commissioners, as a result of the report of the Committee of Inquiry, are not satisfied that the continuance on the panel of Dr. O'Neill would be prejudicial to the efficiency of the medical service of the insured, and they have accordingly decided not to direct that his name be removed from the medical list. In arriving at this decision the Commissioners have been influenced by the fact that Dr. O'Neill has already paid a large sum in connection with the extravagant prescribing proved against him, and also that, as they understand, no further complaints have been made against the doctor since the date of those on which the present proceedings were founded. At the same time they desire to make it clear that they take a very serious view of Dr. O'Neill's conduct, and feel no doubt that the Insurance Committee was fully justified in demanding a full investigation.

Reports from Local Centres.

ENGLAND.

Blackburn.—At the recent meeting of the Insurance Committee a member expressed the idea that doctors' prescribing is affected by visions of the "floating sixpence," but Mr. R. Lord Gifford assured the meeting that this is not likely with professional men. He called attention to the National Association of Insurance Committee's report on stock mixtures (*C. & D.*, December 16, p. 43), and said credit was due to the Association, who were going about matters in a thorough and proper manner.

Derbyshire.—The differentiation established by the new medical regulations in the conditions of the dispensing service as between chemists and doctors was the subject of a resolution of protest submitted to the County Insurance Committee on Monday, December 18, by the Pharmaceutical Committee. It was pointed out that a chemist dispensing within the mile limit will be compelled to submit his medicines for analysis, but a doctor dispensing outside the mile limit is relieved from this obligation. The Committee further expressed the opinion that no medicines or drugs should be dispensed for panel patients other than in accordance with a written prescription. The Pharmaceutical Committee also strongly protested against any prolonged use of stock mixtures in prescribing for insured persons, and requested the Commissioners to abolish them at the earliest possible moment at the close of the war. Both resolutions were confirmed by the General Committee. The Pharmaceutical Committee further presented a memorandum in reference to the apparent failure of insured persons to obtain certain preparations, such as malt extract, malt and oil, cod liver oil emulsion, linseed meal, lime-water, chamomile-flowers, poppy-heads, etc., from doctors who dispense their

own medicines, which would be supplied if the insured person was entitled to get his medicine from a panel chemist. It was decided to ask that particulars of definite cases should be furnished if the matter is to be carried further. The Committee were notified that the chemists under agreement for 1917 numbered 149, with ten persons or bodies corporate supplying appliances only.

Hereford.—At a meeting of the Insurance Committee last week, it was reported that there are thirty-two chemists on the panel, the same as last year. Chemists' accounts for September and October, with balances for the summer months and September, amounting to 347*l.*, were ordered to be paid.

Hertfordshire.—At the meeting of the Insurance Committee on December 11, it was reported that seventy-nine chemists are under agreement for the supply of drugs and appliances for 1917, against eighty in 1916. The Clerk said the arrangements are ample for the needs of insured persons, with the exception of Hertford, where he is negotiating with the local chemists, with every prospect of success.

Manchester.—At the last meeting of the Insurance Committee, the Chairman (Mr. W. Davies) stated that some medical men on the panel do not carry out their obligations to their patients in the matter of prescribing. The statement which it is alleged doctors make to patients that they are not allowed to prescribe the necessary drugs is wrong and a violation of the doctors' agreement. There is no limit either in the cost or quantity of drugs which may be prescribed, but this does not justify extravagant prescribing. Dr. A. W. Martin, who states that he was surcharged 30*l.* in one year, says the only solution of the question is to establish national pharmacies, where patients would be able to get their prescriptions dispensed by State-paid chemists at a much lower cost than at present.

Middlesex. A meeting of the Pharmaceutical Committee was held at the Holborn Restaurant, London, W.C., on December 13, Mr. Herbert Skinner in the chair. Several cases were considered where exemption of panel chemists was desired from military service and the decisions transmitted to the authorities. The report was presented of the supervisor on checking prescription-pricing, which stated that errors noted in the October prices showed an average of less than 0.7 per 100 scripts, and the pricing for November promises to show an even better result. Statistics for the nine months January to September gave the following percentage figures: Cost of drugs and appliances, 53.5; dispensing-fees, 28.9; establishment-charges (including extra 0.5*l.*), 17.6. The moneys available during the nine months, at the rate of 1*s.* 6*d.* per annum for each insured person, would have sufficed to pay an average of 8.26*d.* per script; but the actual payments for the nine months, including the prospective war bonus, would not appreciably exceed 1*s.* per insured person, and would not bring the average cost per script to more than 7.37*d.* As the average for 1915 was 8.12*d.* per script, an addition of more than 10 per cent. would be necessary to bring the rate of payment for the nine months up to last year's level, after taking into account the 5 per cent. added by the war bonus. Attention is directed to the necessity of submitting accounts promptly, and to the desirability of indicating upon scripts the net cost prices of all proprietary and special preparations ordered.

Salford.—The Panel Committee have sent a circular to doctors on the panel calling attention to the Early Closing Order under the Defence of the Realm Act, as it affects chemists' shops and the dispensing of Insurance prescriptions. The panel practitioners are asked to meet the convenience of the chemists so far as the exigencies of their practices and the needs of the insured in their neighbourhood permit. It may not be possible entirely to refuse consultations after 8 p.m., especially in districts where work-people may not finish their work till late in the evening, and the chemists will remain in attendance at their shops for a reasonable time after closing-hours to dispense for late comers. In such cases practitioners are requested to mark the prescriptions of patients who are unable to attend before closing-hours with the letter "L" as is now done for nine o'clock, otherwise the chemists will be allowed to charge a dispensing-fee of 6*d.*

SCOTLAND.

Stirlingshire.—At a meeting of the Insurance Committee at Stirling on December 14, Mr. Robert Leishman (Kilsyth) raised the question of doctors dispensing and supplying medicine to panel patients. The clerk said that medicines could be supplied by doctors to patients residing in the rural districts one mile from a chemist's shop. Mr. Leishman said he thought the doctors were poaching. After some discussion Mr. Leishman said he was willing to let the matter go, seeing the doctors and the chemists had agreed.

Associations' Winter Session.

Bradford.—A meeting of the Bradford Chemists' Association was held on December 14 at the Great Northern Victoria Hotel, the President (Mr. R. Silson) in the chair. Mr. F. E. Burdett (Hon. Secretary) raised the question of supplies of glycerin, and said there seemed to be a certain amount of confusion in the city. He suggested that a circular should be issued advising members to cease the sale of glycerin entirely. The President said that is rather a serious step to take in view of the number of grocers and others who sell glycerin. Mr. Priestley thought the matter will quickly rectify itself so soon as the grocers have got rid of their existing stocks and can get no more. The Secretary also pointed out that some doubt still exists as to what chemists should do in regard to glycerin in B.P. preparations. A member mentioned that he has found Irish-moss muellejo a good substitute for external use. One or two members urged that an entire cessation would be rather hard on people who require glycerin and borax. Mr. Priestley pointed out that if it is required for, say, a child's mouth, there would be no harm in selling glycerin and borax. A resolution was carried advising chemists not to sell glycerin itself or any B.P. preparation of glycerin which could be used for toilet-purposes, except on a doctor's prescription. The Secretary reported that negotiations are taking place with doctors regarding the provision of a rota of chemists for Insurance dispensing service during the times at which shops are closed under the new Closing Orders. Subject to agreement by the Insurance Committee, it had been decided that when shops are to be closed at 8 p.m. there should be shop attendance, by rota, till 8.30. Chemists, by rota, would take full responsibility for a twenty-four hours' service, though it is not necessary to remain on the premises if they can be found. The emergency-fee would apply after 8.30. Arrangements have also been made for about half an hour on Sundays and an hour on Wednesdays and bank-holidays by the rota, but the emergency-fee would not apply to these. Mr. R. Cecil Owen, Chester, then delivered an address on "The Advancement of Pharmacy."

Brighton.—The annual meeting of the Brighton and Hove Association of Pharmacy was held at Brighton on December 13, Councillor C. G. Yates (President) in the chair. It was decided to form a War Savings Committee for pharmacists, their families, and employees. Of this Committee Mr. Franklin was appointed Treasurer, Mr. Kingsley Padwick Secretary, and Messrs. Gwatkin, Hockin, and Cashmore the Executive. A minimum price-list was adopted officially. The Secretary's report was then presented and adopted, and the officers of the Association re-elected.

Edinburgh.—A meeting of the Edinburgh Chemists' Trade Association was held at 36 York Place on December 13, Mr. Adam Duncan in the chair. It was agreed to recommend members to make New Year's Day a general closing day, and to leave Christmas Day closing optional. Mr. Macpherson raised the point as to whether Christmas Day is a statutory holiday in Scotland, because otherwise they could not avail themselves of the proviso in the Shops Act varying the incidence of the Half-holiday Closing Order. It was pointed out that while in England December 25 and 26 are Bank Holidays, the dates in Scotland are December 25 and January 1. It was agreed to take the matter up again at an earlier date next year. Mr. Rutherford Hill pointed out the new regulation in chemists' agreements, by which samples of Insurance dispensing can be taken under the Sale of Food and Drugs Acts, and directed attention to the importance of correct sizes of bottles. One of the difficulties of the present war conditions is that the sizes of glass-bottles are apt to be less accurate than under normal conditions. It was reported that a reply had been received from the Secretary for Scotland to the protest of the Association against the sudden surrender of the Government in abandoning the regulation as to shops closing at seven o'clock, and asking an interpretation of what is meant by a "closed" shop and whether it required lights to be extinguished. The reply stated that the Government had not considered it necessary to specify that lights must be out, and apparently if the door is closed a shopkeeper could remain inside with the shop lighted. Such an interpretation, it was pointed out, was inconsistent with the special proviso under which a chemist is only allowed to light his shop while supplying medicine. It was reported that a few pharmacies still remain open after eight o'clock, and also that a few fail to comply properly with the Half-holiday Closing Order. It was also agreed to take steps to secure new members and more active support for the

Proprietary Articles Trade Association. In reply to a letter from the Advertisers' Protection Society, Ltd., the Association strongly condemned the practice of advertising by means of newspaper paragraphs certain articles with fancy names to be mixed with well-known drugs. The Chairman said he desired to call attention to the drastic restrictions on the manufacture and distribution of alcohol which will come into force on January 1. It was agreed to communicate with the Pharmaceutical Society on the matter. Mr. A. F. Dawson was congratulated on his successful defence of the bottle case (*C. & D.*, December 9, p. 39).

Glasgow.—A meeting of the Glasgow and West of Scotland Chemists' Association was held at Glasgow on December 14, Mr. McMillan (President) in the chair. Twenty-seven new members were admitted. Mr. Alex. Laing gave an address on *The After War*. Mr. Laing described the troubles that have afflicted our craft, and set forth his ideas as to their causes and cures. He thought that one important point that should be taken up by the educational authorities is the guidance of a boy or girl after school age in the matter of suitable literature. Referring to pharmacy, he was optimistic, but said that the course we had been pursuing would require to be altered and adjusted to meet the new conditions when the war is over, and he hoped and believed that our leaders would prove fully alive to the situation. He thought that the present faith in serum-therapy is really a passing phase in medical science, and that there would always be a place in the future for the pharmacist. A short discussion ensued, in which Messrs. McVitie, McKenzie, Lennox, and W. L. Currie took part, and, on the motion of the Chairman, Mr. Laing received a hearty vote of thanks. It was intimated that arrangements had been made to have a course of lectures, and also a practical course, in bacteriology, on Tuesday afternoons, commencing shortly, under Dr. Ellis, of the Glasgow Royal Technical College. A good number of those present intimated their desire to enrol for the course. It was announced that the Council have decided to proceed with the issue of an Association journal on the lines of "The Script," but a *plébiscite* of the members is to be taken first by postcard to find out the general opinion.

Irish Chemists' Assistants.—A meeting of the Cork branch of the Irish Chemists' Assistants' Association was held on December 11, when the rules were adopted. A vote of sympathy was passed with the parents on the death of Patrick O'Brien, Galbally.—At a meeting of the Executive Committee of the Dublin branch last week, a resolution was passed on the motion of Mr. P. D'Arcy, seconded by Mr. Batty, thanking the following business houses, who had subscribed to the Association's fund for establishing a school of chemistry and materia medica: The British Drug Houses, Ltd., Thomas Beecham, A. H. Cox & Co., Ltd., Dearborn, Ltd., Ingram & Royle, Ltd., and Philip Josephs & Sons, Ltd.

Leeds.—A meeting of the Leeds Chemists' Association was held on December 13 at the Grand Central Hotel, Mr. N. N. Armitage (President) in the chair. The meeting was preceded by a special meeting, at which was adopted the following resolution, altering the rules:

"That no person shall be eligible for membership who is not a member of the Pharmaceutical Society of Great Britain, nor for associateship who is not a student associate of the Pharmaceutical Society."

The resolution was proposed by Mr. F. Pilkington Sargeant, who is a member of the Pharmaceutical Society's Council, and who admitted that the change is rather drastic, and that he is not aware of any other Association in the country having a similar rule. Mr. Sargeant said the measure is not intended to be coercive, so much as persuasive. Some members of the Association have what they considered good reasons for not being in the Pharmaceutical Society, but while those reasons should be respected, it is considered that the solidarity of chemists for the future is essential, and that this solidarity can only be accomplished by membership of the Pharmaceutical Society. Mr. J. H. Beacock seconded the motion, and the discussion was continued by Messrs. G. W. Hayes, H. Gilgellan (Hon. Secretary), W. Johnson, and J. W. Goughly. Mr. Sargeant replied, and the motion was carried. The meeting then resolved itself into an ordinary meeting. A vote of condolence was passed with Mr. R. Johnson, whose son, Second-Lieutenant William Johnson, has been killed in action. Some little discussion arose on the sale of glycerin, it being reported that some members are selling it retail. Members were asked to report all specific cases coming under notice. Mr. Frederick E. Wordsworth was elected a member. Mr. A. Rothstein then gave a paper on *A Pharmacist's View of Possible Political Developments*, which dealt with possible changes in the pharmacist's condi-

tion after the war. Owing to changes in educational methods, when every young person is compelled to go through a technical training, the pharmaceutical craft will not be overlooked, and there will be plenty of candidates. This will be accompanied by a corresponding alteration in conditions of labour and apprenticeship in pharmacies, while the net result will be a great increase in the number of pharmacies. A vote of thanks was accorded to Mr. Rothstein.

London (Co.).—A meeting of the Executive Committee of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on December 19, Mr. A. R. Melhuish (Vice-President) in the chair. On the subject of "P.P." preparations, Mr. Atkins suggested that in the event of a revised edition of the London Insurance Pharmacopoeia being undertaken, embodying any of the "P.P." formulæ, it should be made clear to doctors and chemists on the panel by the Insurance Committee that after a given date preparations ordered from the first edition of the "L.I.P." and those of the "P.P." would not be allowed. In dealing with the correspondence received from the Local Associations Executive and the various resolutions forwarded to them by the County Association an animated discussion took place. Messrs. Skinner and Atkins expressed dissatisfaction with the attitude of the Local Associations Executive in regard to the resolutions forwarded. It was afterwards agreed, on the proposition of Mr. Atkins, seconded by Mr. Milner, to forward a resolution to the Local Associations Executive, regretting their attitude with regard to the preparatory steps in future negotiations with the Insurance Commissioners, and that the suggestions already submitted should be reconsidered with a view to prompt action being taken. The subject of a minimum sale of scheduled poisons was referred to the District Associations for consideration. Mr. A. R. Keith, Chairman of the Organisation Sub-Committee, submitted his report, which dealt with certain proprietaries not on the protected list of the Proprietary Articles Trade Association, and with the federation of London Associations and those of the Home Counties. Other reports were also received and adopted.

London (E.).—A meeting of the East London Pharmacists' Association was held at Limehouse on December 14, Mr. A. R. Keith (President) in the chair. Mr. John Keall (S.W. London Association) and Mr. G. A. Tocher (Secretary London County Association) were present. The Chairman reported on the proceedings at the last meetings of the County Executive and Pharmaceutical Committee respectively. Mr. G. Hatfield gave details of the work of the Pharmaceutical Service Sub-Committee of the London Insurance Committee. Mr. Keall then gave an address on *Current Pharmaceutical Topics*, and dealt especially with the question of improved trade organisation, Insurance dispensing-fees, and membership of the Pharmaceutical Society. A discussion followed, in which Mr. Abelson pointed out that reduced dispensing-fees are paid for numerous preparations not specified on the Tariff, and urged that pharmacists are entitled to payment at the full rate, under their contracts, for all such preparations, irrespective of the frequency of prescriptions containing them or the amount prescribed. Mr. Angus called for details of the work of the Checking Bureau, particularly as regards the "checking down" of payments allowed by the Pricing Department, and wished to know whether such reductions are merely the correction of arithmetical errors or the interpretation of doubtful points to the advantage of the Insurance Committee. Mr. Tocher gave some information on the matter, but members were emphatic in their opinion that more light should be thrown on the subject. Votes of thanks and a collection on behalf of the Orphan Fund concluded the meeting.

Manchester.—A meeting of the Manchester Pharmaceutical Association was held at 65 Market Street on December 13, when, before a moderate attendance, Mr. Harold Wyatt, Liverpool, delivered a lecture entitled *Dispensing Notes*. In the absence of the President, owing to illness, Mr. F. W. Bates, J.P., occupied the chair. Mr. Wyatt first described his apprenticeship, which was served under his father, and, in passing, said some people imagine that if a youth served his apprenticeship under parental care he has an easy time of it. Such, however, was not the case with him, but in his case he was taught the business of a chemist and druggist in a thorough manner. He next enumerated many quinine mixtures in which incompatibility arises, and told how to overcome the difficulties. He mentioned one fairly common mixture—quinine, sod. salicyl. and acid. phosph., which, if not mixed carefully, did not give a nice mixture. The best way, in his opinion, is to cover the inside of a clean medicine-bottle with mucil. acaciæ 3ss., then add the sod. salicyl. in solution, and, lastly,

the solution of quinine in the ac. phosph.; fill up, and take care not to shake too vigorously. Fluid extract of liquorice is often a source of trouble in mixtures. In a mixture of calc. chloridi and ext. glycyrrh. liq. one can get a more presentable mixture if a few drops of ammonia is added. Speaking of the use of mucilage, when necessary in a prescription he said he preferred mucil. acaciæ to mucil. tragac., as he has found that the latter varies in thickness a great deal, due, he thought, to the different grades of pulv. tragac. The higher-priced gums are always the most reliable. He advocated the use of elix. quin. ammon., B.P.C., in preference to tr. quin. ammon., B.P. It is better to use ammon. carb. than liq. ammoniæ. The deposit in elix. quin. ammon. on standing is not a quinine salt, but ammonium sulphate. The keeping of syr. ferri iod. is a source of trouble to many pharmacists. If it was discoloured the syrup should be boiled with an equal quantity of water, with the addition of a little citric acid, which produces a liquid that is quite clear. The addition of potass. bicarb. to sp. æther. nit. to neutralise it should be made at the time of dispensing, and not in stock-bottle. Extract of male fern should be kept in a wide-necked bottle, and mixtures containing it should always be strained. Ichthylol ammon. and salicyl. acid in an ointment, unless mixed carefully, make a messy ointment. The best way is to mix the ichthylol with part of the base and the salicylic acid with the other part, then mix the two together. The same method is applicable to ointments containing morphine salts and salicylic acid. Solution of mercuric perchloride is sometimes ordered by doctors to be coloured with cochineal. This colour is, however, incompatible. The best plan is to use an aniline dye. Referring to many other difficulties, Mr. Wyatt mentioned that in making mercury-bicyanide pills with ext. gent. he had found that with soft extract a distinct smell of hydrocyanic acid is given off. This is no doubt due to the moisture, and to the fact that nearly all vegetable extracts are acid. As a pill-excipient he prefers pulv. anethidis to pulv. glycyrrh. Finally, Mr. Wyatt dealt with foreign prescriptions, and recommended his audience to study "Squire" and the "Art of Dispensing," which are mines of information on this branch of dispensing. A vote of thanks was given to Mr. Wyatt on the proposition of Mr. Bates, seconded by Mr. W. Lane.

Middlesex.—A meeting of the Middlesex Pharmacists' Association was held at the Holborn Restaurant, London, W.C., on December 13, Mr. Herbert Skinner (President) in the chair. A resolution was received from the Harrow Association, suggesting that direct negotiations should be tried with the Insurance Commissioners in future, and the matter was postponed for further consideration. Mr. Wolff, the Secretary, referred to the way a resolution sent by the Association had been treated by the Local Associations Executive as an illustration of what is meant when Associations are asked to submit suggestions to that body.

Newcastle-upon-Tyne.—A meeting of the Newcastle-upon-Tyne Pharmacists' Association was held on December 13 at the Church Institute, Mr. J. F. Simpson (President) in the chair. The Advertisers' Protection Association wrote asking for the support of the members in the policy of discouraging certain forms of advertising as being calculated to deceive the public. It was decided to support this campaign. Mr. C. J. Young, of Brady & Martin, Ltd., then gave a lecture on *The Human Eye*, in the course of which he explained the structure, defects, and ailments of the eye, and dealt fully with the modern methods of sight-testing. A series of models and charts were shown, and a demonstration was given of sight-testing. A vote of thanks was passed to Mr. Young.

West Bromwich.—Mr. M. H. Griffith presided at a meeting of the Pharmaceutical Association on December 12, when Messrs. Worwood and Martin gave an address on the work of the West Midland Pricing Bureau. They replied to many questions on pricing, checking, etc., and were most cordially thanked. Letters of congratulation and greeting, signed by members of the Association, were sent to Sergeant Osborne and to his parents on the award of the Military Medal to him. It was decided to withdraw glycerin from retail sales, and to supply only for strictly medicinal purposes to a doctor's prescription.

PRESCRIPTION CHECKING.—The proposals for prescription checking for 1917, which are being placed before the various Pharmaceutical Committees, include a proposal to check only 10 per cent. of the scripts, with no responsibility for the remainder, at a charge of 12s. per 100% of the chemists' accounts in the area. Alternative methods of checking are direct representation of chemists in the district pricing bureau, travelling inspectors, and private checking.

New Books.

Derrick, Paul E. *How to Reduce Selling Costs.* A Warning and a Suggestion Concerning a Matter of Vital Importance to Every Manufacturer. $8\frac{1}{2} \times 5\frac{1}{2}$ in. Pp. xviii + 223. 6s. net. (London: George Newnes, Ltd. [A suggestive and stimulating book. "This is the time for a searching analysis of British trade policy. Every manufacturer must put his last ounce of organised effort into more effective plans for the future maintenance and development of his trade and of British commerce. National and individual interests both demand that selling method be revised and brought up to date." This may be regarded as Mr. Derrick's text. It is followed by a Foreword, then an Appreciative Note from Mr. J. Stevenson, Director of Area Organisation, Ministry of Munitions, who has read the proofs of the book, which he says "should help thinking manufacturers to look ahead and prepare." After the introduction fourteen chapters are arranged as follows: "Production Cost v. Selling Cost," "The Evolution of the Manufacturer," "The Manufacturer and the Consumer," "The Machinery of Distribution," "How to Win the Middleman," "How to Win the Consumer," "Linking up Sales Effort," "The Function of Advertising," "How to 'Do it Better,'" "The Superior Source of Goodwill," "The New Era," "The Trade Mark," "Advertising Media," and "What is Now Required." The book promises good reading and practical and purposeful instruction to readers.]

Medical Gleanings.

Rheumatoid Arthritis.

MR. C. T. GRIFFITHS, M.R.C.S., L.R.C.P., in "The Lancet" (1916, II., p. 993), refers to a case of chronic rheumatoid arthritis which disappeared after keeping open an ulcerated surface caused by abscesses.

Chronic Gonorrhœa.

MR. CHAS. RUSS, M.B. Lond., M.R.C.S., in "The Lancet" (1916, II., p. 477), refers to the beneficial results which accrue in chronic gonorrhœa by the electrolytic treatment. He states that where injections are used for several months without success, their continued employment becomes harmful on account of the irritation caused. Particulars are given of cases treated by electrolysis. Sometimes salol, santal oil, or gonococcus vaccine are needed to supplement the electrolytic treatment.

Trinitrotoluene Poisoning.

THE Ministry of Munitions has issued a memorandum to the medical Press regarding the symptoms, diagnosis, and treatment of poisoning by trinitrotoluene. In the course of the following test is given for the presence of "T. N. T." in urine. It is known as Webster's test:

"Measure out 12½ c.c. of the urine in a measuring-cylinder, then add 12½ c.c. of diluted sulphuric acid, made up by mixing 20 c.c. of strong sulphuric acid with 80 c.c. of water. Pour the mixture of urine and acid into a separating-funnel of 100 to 150 c.c. capacity and provided with a stopcock; add to the mixture 10 c.c. of ethylic ether (the ordinary ether made from methylated spirit is sufficiently pure for the purpose), shake up well, and allow to settle; take out the cork or stopper from the top of the separating-funnel, open the stopcock at the bottom, and allow the mixture of acid and urine to run off; then turn the stopcock off so as to retain the ethereal solution in the separating-funnel. Now add 25 c.c. of tap-water to the ethereal solution in the separating-funnel, shake up again to remove the traces of the mixture of urine and acid, and allow to settle again for two or three minutes; then run off the water by opening the stopcock, retaining the ether in the funnel. Finally, let the ethereal solution flow into an ordinary test-tube, and try for the presence of T.N.T. in it as follows:

Prepare a solution of alcoholic potash by dissolving 4 to 5 grams of caustic potash in 100 c.c. of methylated spirit or absolute alcohol. Where many tests are to be carried out this solution may be made by having a stock saturated solution of caustic potash, and adding, when a fresh quantity of the reagent is required, 10 c.c. of this to 90 c.c. of alcohol.

To the ethereal solution obtained as above described 5 c.c. of this alcoholic solution of potash is added. When T.N.T. is present a purple colouration is at once developed, varying in intensity according to the amount of T.N.T. present, from the faintest trace to a deep purple. The colour changes rapidly from the purple to a brown colour, and it has been found that the best results as to intensity are obtained by judging rapidly after the colour is struck."

It is stated that with a little experience it is not difficult to perform, and that it demonstrates in nearly all cases of "T.N.T." workers the presence of "T.N.T." passing through the system, but in very varying degree. Some show scarcely any absorption, others give an intense reaction.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garhling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., December 21, 5.30 p.m.

BUSINESS has slackened off considerably this week, and in view of the approaching holidays and stocktaking operations trading has been mostly hand-to-mouth. Mining Lane markets will be closed on Saturday, and re-open on the following Wednesday. At auction Seychelles vanilla was rather lower, with a fair demand. Spices close firmly, especially peppers, which are dearer; arrowroot, cloves, and pimento are firmer. In fixed oils castor is firm, with "record" prices paid for seed; linseed shows a slight reaction, and turpentine is active at lower rates. Norwegian cod-liver oil is a trifle easier, probably in view of the new fishing which will commence in January. Chiretta and genuine B.P. copaiba are higher. All fine chemicals are quiet, with an occasional cheap seller in view of stock-taking. Salicylates have still a weak undertone; salol is easier. Cream of tartar is scarce and firmer on spot. Among heavy chemicals saltpetre is 2s. dearer, but the price is nominal; copper sulphate is firmer; arsenic and sulphur are both very firm.

| Higher | Firmer | Easier | Lower |
|-----------------------|------------------------|-----------------------|------------------|
| Balsam copaiba (B.P.) | Arrowroot | Cod-liver oil (Norw.) | Podophyllum-root |
| Chiretta | Fergamot oil | Linseed oil | Turpentine |
| Coumarin | Cloves | Salol | Vanilla |
| Formaldehyde | Copper sulphate | | |
| Gambier | Cream of tartar | | |
| Nux vomica | Geranium oil (African) | | |
| Peppers | Pimento | | |
| Saltpetre | | | |

Cablegram.

NEW YORK, December 20.—Business is quiet in view of the end of the year. Opium has advanced by \$1.00 per lb. to \$13.50 for druggists'. Menthol is higher at \$3.20. Jalap is easier at 11½c., and senega is lower at 62½c. Cascara sagrada is firmer at 8½c. Belladonna-leaves have been reduced to \$1.40 per lb.

ACETANILIDE is unaltered at from 2s. 8d. to 2s. 10d. per lb. net.

ACETIC ACID.—Owing to the scarcity, some dealers here are trying to "squeeze" buyers who want spot delivery, and fancy prices are being asked. A fair quantity is on the way from U.S.A., and when to hand will relieve the pressure. Meanwhile parcels of 80-per-cent. pure in casks are changing hands at from 90l. to 95l. Glaeial in earboys on the spot is very scarce and dear, at about 160s. per ewt.

ACID, ACETYL-SALICYLIC, is fairly steady at 21s. per lb. net on spot. The demand is quite small at the moment, and large orders appear to have been covered for the time being.

ALCOHOL is a strong market, and an advance in the price of British spirit would not be surprising with the New Year.

AMERICAN DRUGS.—The following are a few current net prices for roots, barks, herbs, etc., mostly for spot delivery:

Barks.—Bayberry, 8d. per lb.; canella, 72s. 6d. per ewt.; sassafras of root, 1s.; ulmi fulv. powder, 1s. to 1s. 3d.; viburnum prunifol. (tree), 11d. to 1s.; wahoo (euonymus), 1s. 8d. to 1s. 9d.; witch-hazel, 6½d. to 7d.; thin wild cherry, 8d. to 8½d. per lb. Leaves.—Truxillo ccca, 11d. to 1s. for broken; damiana, 10d.; witch-hazel, 8d. Roots.—Leptandra, 8½d. to 9d.; kava-kava, 1s. 3½d. net, to arrive; krameria, 9d. to 10d.; serpentary, 1s. 10d. per lb.; Mexican sarsaparilla, 1s.; Lima, 1s. 8d. and Jamaica 1s. 10d.

AMMONIA SULPHATE.—Firm. Home-trade price is 15l. 10s. per ton for December-February delivery. Export prices are: London, prompt, 25-per-cent., 17l. 10s. per ton net, naked at works; Hull, 24-per-cent., 18l. 2s. 6d.; Liverpool, 18l. 10s.; Leith, 18l. 12s. 6d., less 3½ per cent. in bags f.o.b.

ANISE is very scarce, with no Russian available and for Spanish the quotation is nominally 85s. to 90s. per cwt.

ARROWROOT is rather firmer, with spot sales of manufacturing St. Vincent at from 3*d.* to 3½*d.* per lb., as to quality.

ATROPINE SULPHATE.—A limited quantity is offered at 115s. per oz. net.

BARBITONE.—Current rates are from 90s. to 95s. per lb. net.

BERGAMOT OIL shows a recovery from the decline last week, orders having been refused at 16s. c.i.f., and close upon 17s. c.i.f. has been paid for quantity for shipment next month.

BETA NAPHTHOL.—White resublimed of guaranteed B.P. quality is selling at 10s. per lb.

CALUMBA.—For good sound washed root 57s. 6*d.* per cwt. is asked.

CAMPHOR (REFINED).—New York advices dated December 8 indicate that every available pound of Japanese has been cleared up owing to heavy buying by celluloid-makers, and higher prices are looked for.

CANTHARIDES.—Fair bright Russian are quoted at from 16s. to 16s. 6*d.* per lb. on the spot, and for Chinese 4s. 9*d.* is quoted.

CASTOR OIL remains firm, Hull make of first-pressing offering in barrels for December-April delivery at 72*d.* per ton f.o.b. For good seconds Calcutta in Liverpool 63*d.* per lb. is now asked. *Castor seed* has advanced considerably of late.

CHIRETTA.—Owing to higher freights 1s. 1*d.* per lb. is wanted on the spot.

CITRIC ACID is unchanged at 2s. 6*d.* per lb. on the spot.

CLOVES are firm, with spot sellers of fair Zanzibar at 8*d.*

COCAINE is very firm, and the makers are sold out for at least a couple of months ahead, a large business having lately been done. For very limited quantities of hydrochloride on spot 21s. per oz. is asked.

COD-LIVER OIL.—A Bergen advice dated December 12 reports a quiet market, with quotations nominal. On the spot finest 1916 medicinal Norwegian oil is offered at 450s. per barrel, and 1915 oil at 430s. net. Non-freezing Newfoundland can be had at 13s. 6*d.* per gal. net. Although the new Lofoten fishing commences towards the end of January, the possibilities of the present prohibitive prices being sensibly reduced appears remote, in spite of the fact that the consumption has considerably fallen off.

COPPER SULPHATE.—With continued scarcity of supplies, market is firmer at from 65*d.* to 65½*d.* 10s. per ton for the usual Lancashire makes of 98-per-cent. pure.

COUMARIN.—Large export orders have much reduced the supplies in the New York market, and on the spot supplies are also scarce.

CREAM OF TARTAR is scarce and firmer on spot at 185s. per cwt. for 98-per-cent. powder.

FARINA.—Japan has sent a very fair quantity to London this season, and the quality is prime. For round lots to arrive about the end of the month 46*d.* per ton, ex wharf London, is quoted.

FORMALDEHYDE.—Owing to the continued advance in methyl alcohol, there is a corresponding rise in formaldehyde in U.S., which is reflected in this market, and the spot value is now 75*d.* per ton net for 40-per-cent. volume in casks. The demand, however, is not so heavy as it was.

The "New York Commercial" (December 4) reports that formaldehyde was advanced by some sellers to a minimum of 11 cents per lb. in barrels owing to a further advance in the first-hand quotations of wood alcohol to 97½ cents per gal. for 95 per cent. Second-hands are generally asking \$1.05. per gal. for wood alcohol, but aside from whatever influence the rise in alcohol has had on the price of formaldehyde, it is pointed out that export demand for the latter from Japan has reached extensive proportions of late, and this has resulted in quite a material reduction in formaldehyde supplies.

GINGER is firm, the value of washed Cochin being from 47s. 6*d.* to 50s.; small sales of Jamaica have been made at from 80s. to 85s. for common to good common, and 90s. to 105s. for medium to good. In Liverpool, small sales of Sierra Leone are reported at 36s. 6*d.* ex store.

GUM ACACIA.—The exports from Egypt (Sudan) during 1915 were valued at 313,081*E.*, against 314,919*E.* during 1914.

JALAP.—Small spot sales are reported; prices vary from 7½*d.* up to 1s. and more, according to test.

LITHIA CARBONATE.—Slow, at 5s. to 5s. 2*d.* per lb. for American on the spot, as to quantity.

MENTHOL.—Outside brands, such as Yazawa, can be had at 13s. 6*d.* per lb., but for Kobayashi-Suzuki the spot quotation is unchanged at 14s.

MILK-SUGAR is firm at 175s. per cwt. on the spot. The U.S. is sending very little at the moment, and the price there shows an advancing tendency.

OILS (ESSENTIAL).—The following are a few current (mostly net) quotations for oils for prompt delivery: White essential Japanese *Camphor*, 65s. to 68s. per cwt., as to quantity; *Copaiba*, 6s. 3*d.*; *Chaulmoogra*, 2s. 4*d.* to 2s. 5*d.*, as to quantity; *Clove*, B.P., 5s. 8*d.* to 6s., as to quantity; *Juniper wood*, 8s. 6*d.*; English distilled *Juniper berry*, 55s.; finest Mitcham *Lavender*, 79s., and finest French 16s. to 16s. 6*d.*; *Pine* (pumilionis), 26s. per lb.; *sibiricus*, 11s.; natural *Sassafras*, 3s. 6*d.*; genuine *Wintergreen*, 12s. 9*d.* to 13s. per lb.; French *Spike*, 4s. 6*d.*; Spanish, 2s. 9*d.*; pure *Xeroli*, 10s. 3*d.*, and *Bigarade*, 8s. 6*d.*; Paraguay *Petit-grain*, 11s. 6*d.* to 12s.; French *Rosemary*, 2s. 9*d.*; Spanish, 1s. 10*d.*; Spanish red *Thyme*, 5s. 6*d.* per lb. African (*Geranium* is firmer at 15s., and Bourbon is unchanged at from 11s. 3*d.* to 11s. 6*d.* *Star anise*, 3s. 6*d.* spot for "Red Ship" and 3s. 6*d.* c.i.f. *Cassia* is 4s. 3*d.* for 80 to 85 per cent. c.a. and 4s. 1*d.* c.i.f.

OILS (FIXED).—*Linseed* is easier, closing at 51s. 6*d.* per cwt. in pipes landed and 52s. 6*d.* landed in barrels. *Cottonseed* is firm at 52s. 6*d.* for crude in pipes, and pale refined in pipes on spot is nominal; for sweet refined in barrels from 59s. to 60s. is quoted. *Rape* is firm, with ordinary brown naked on spot offering at 54s.; British refined in barrels is 56s. to 58s., and Japanese in cases is 51s. c.i.f. for November-December shipment. *Cocunut* is firm at 65s. for Ceylon in hogsheds on spot and 63s. in pipes. Cochin on spot is 65s. to 67s., and shipment 64s. c.i.f. London pressed is 52s. 6*d.* to 53s. *Hankow Wood* oil is 76s. spot and 66s. c.i.f. *Soya*—Hull (spot) crushed is 49s., and in London December-January shipment is 48s. 6*d.* c.i.f. *Lagos Palm* is at 48s. on spot, and 47s. 6*d.* ex quay Liverpool. *Lard*, 78s. 6*d.* to 86s. 6*d.*; *Seal*, 40*d.* to 56*d.* per tun; *Whale*, 45*d.* to 49*d.*; bright *Sperm*, 50*d.* to 52*d.*; *Cod*, 45*d.* to 50*d.* nominal; *Olive*, 66*d.* to 72*d.* per tun. Ground *Nut* oil, 55s. to 70s. per cwt. *Neat's Foot*, 4s. 10*d.* to 6s. 3*d.* per gal.; *Stearine*, 75s. to 90s. per cwt.

ORANGE-PEEL.—Fair Maltese strip is offering on the spot at 1s. 10*d.* per lb.

PEPPERMINT OIL is rather firmer at 10s. 6*d.* net on spot, and H.G.H. is 14s. London terms.

PEPPERS are again dearer, Singapore *Black*, basis fair, having advanced to 10½*d.* sellers on spot, against 9½*d.* last week; value of *Tellicherry* is 10½*d.* and *Lampong* 10½*d.* Singapore *White* is ½*d.* per lb. dearer, at 11½*d.* for fair; *Muntok* has been sold at 11½*d.*, and *Penang* is nominal at 11*d.*

PHENAZONE remains unchanged at from 34s. to 35s. per lb. net on the spot.

PIMENTO is rather firmer at 3½*d.* per lb. on the spot for fair.

PODOPHYLLUM-RESIN of U.S.P. quality is offered at 12s. per lb. f.o.b.

PODOPHYLLUM-ROOT is offered at 48s. 6*d.* per cwt. c.i.f. terms.

POTASH CARBONATE is still held at from 110s. to 115s. for 85 to 90 per cent. Some large shipments have just been received, and the question arises as to whether prices will not have to be shaded.

POTASHES.—First Montreal potashes can be had at 145s. per cwt. on the spot.

QUASSIA-CHIPS are offered at 36s. per cwt. on the spot.

QUININE.—A little more inquiry is reported, but there have been no large transactions, and there are still sellers of Continental sulphate at 2s. 6*d.* per oz.

RESORCIN.—The high price of 145s. per lb. asked on the spot entirely precludes business.

SALICYLATES.—Still rather weak. Salicylic-acid powder of B.P. quality can be had at 5s. 9*d.* per lb., and finest sodium-salicylate powder at 6s. to 6s. 2*d.* net.

SALOL is offered at the easier rate of 11s. per lb.

SALTETRE.—Since we last quoted, the price of British refined has been advanced to 67s. per cwt., but only limited quantities are available, makers not being free sellers.

SHELLAC is quiet but firm, with usual standard quality TN Orange offering at from 140s. to 141s. 6*d.* and fine 162s. 6*d.*; fine orange is 170s. and AC Garnet 152s. 6*d.* per cwt. Futures are firm, the sales including March 145s. 6*d.* to 144s. 6*d.*

SODA, CAUSTIC.—The "New York Commercial" (December 7) reports a jump of 50c. in spot values to a basis of \$5.00 per cwt. from second-hands, who are now in control of the market. Domestic producers have sold their entire output for delivery over 1917. They have not only been called upon to supply a tremendous increase in domestic consumption but an abnormal demand from Europe growing out of the war. Buying for exportation during the past few days has assumed tremendous proportions, the principal source of demand having emanated from Japan. The Nippon Government is now credited with having taken a total of 10,000 tons of caustic soda within the interval of a few weeks for

immediate and forward shipment. Sweden and Russia have also been active buyers of late. A large percentage of the soda now being exported will eventually be utilised in picric-acid production, although its legitimate usage in soap-making and other industries is also responsible for some of the recent heavy buying.

STRAMONIUM-LEAVES.—Good French have been selling at from 80s. to 85s. per cwt. on the spot, but are now scarce.

SULPHONAL is offered at 30s. to 31s. per lb. net. ex spot stock.

SULPHUR is very firm at 20l. net per ton for Sicilian flowers, and 19l. net for roll ex wharf London.

TARTARIC ACID is in more inquiry and firm at 2s. 7½d. per lb. for prompt delivery.

TURPENTINE.—A large business has again been done at lower prices, American closing at 53s. 6d. per cwt. on the spot. *Frer.* is offered at 54s. spot.

VANILLA.—At auction Seychelles met with a fair demand, short and short medium lengths being 1s. to 1s. 6d. cheaper, and brown foxy and split 1s. lower. Of Seychelles about 700 tins offered and about 400 sold, comprising firsts, 5 to 8½ in., 6s. 3d. to 8s. 6d.; 3 to 4½ in., 5s. 3d. to 5s. 9d.; leanish, 4½ to 7½ in., 5s. 6d. to 6s. 3d.; fair firsts, 6½ to 8 in., 7s. to 9s. 6d.; leanish, 3 to 8 in., 5s. 3d. to 8s.; doubtful flavour, 3½ to 7 in., 5s. to 7s. 3d.; seconds, good, 4 to 7½ in., 5s. 6d. to 6s. 6d.; brown foxy and split, 5s. 6d. to 7s. 9d. per lb.

WITCH-HAZEL EXT. in casks can be had at from 9s. 6d. to 10s. per gal. net as to seller.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of November 11 and 12:

ACETIC ACID.—For the small quantities which may be sold in the open market from m.225 to m.250 per 100 kilos. must be paid for 98 to 100 per cent.

AGAR-AGAR is again in active demand, and prices are higher.

ALUM is higher, as raw material has considerably advanced in price. The quotation for technical crystals is from m.43 to m.45 per 100 kilos.; for pure alum D.A.B. V. from m.48 to m.50. Dried alum is in active demand at about m.110 per 100 kilos.

CARBON TETRACHLORIDE is quoted at from m.200 to m.220 per 100 kilos.

CARRAGEEN MOSS is still badly wanted, and is sold at high prices.

CEVADILLA is still advancing in price in consequence of a good inquiry.

CHLOROFORM has been advanced by makers by m.50 per 100 kilos.; the actual quotation is from m.510 to m.540 per 100 kilos.

CITRIC ACID has been asked for in larger quantities of late, particularly for technical purposes. Second-hand stocks appear to be good, and the bulk of the business is done by them in preference to makers. Prices are expected to advance as soon as larger quantities for consumption are required.

CONDURANGO is very firm, and demand is increasing.

FENNEL-SEED.—The fennel-crop is Germany appears to be very unsatisfactory. About 7 cwt. of fennel-seed has been obtained per acre compared with from 10 to 11 cwt. in previous years.

FIXED OILS AND FATS are getting alarmingly scarce in Austria, especially linseed oil, stearine, and tallow, the stocks of which are almost exhausted. Olive oil cannot be furnished to pharmacists in quantities exceeding two kilos.

GUM ACACIA remains in fair demand, and prices have advanced by 10 per cent. since last quotations.

OILS (ESSENTIAL).—Sellers of *Star-anise* maintain previous high price of m.22. *Bergamot* is still quoted at m.80. *Cassia* is m.20. *Caraway* has advanced to m.37. *Clone* oil has advanced in consequence of the high prices of cloves, and actual quotation is m.38. *Eucalyptus globulus* is to be had in small quantities at m.16. The *Lavender* crop is reported to be very unsatisfactory, so that prices are expected to be very high. *Ceylon Lemongrass* is m.9. *Menthol* is easier, as the demand has fallen off. *Patchouli* is considerably higher. Japanese *Mint* is much quieter, and is offered in large quantities. *Pomgranian* oils are still quoted at m.40. East Indian *Sandalwood* is still to be had at m.72 per kilo.

OLIBANUM is very firm and active.

QUILLAIA is asked for in small quantities only. Cut is m.520 per 100 kilos. and more, as the quantities arriving are very small.

SAPONIN.—Crude is m.25 per kilo. and more; purified is quoted at from m.45 to m.50 per kilo.

SHELLAC is firm. *TN Orange* is quoted at m.20.50 per kilo., and lemony sorts at from m.22 to m.22.50 per kilo.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Cocaine Dispensed.

SIR,—The meaning of the word "drug" in the quotation from the new Cocaine Regulations, referred to in your leading columns, surely does not admit of any doubt. You say that possibly the Home Office means coca-leaves or extract of coca, but I submit that neither of these could be intended. If the Home Office means anything else but cocaine, it follows that the whole Regulations are reduced to absurdity. The amount of cocaine in coca-leaves is, on the average, probably not more than one-half per cent., and if the suggestion put forward be admitted, we are forced to this conclusion: that any liquid preparation of coca-leaves containing 1 part of cocaine in 200,000 would be within the Regulations, whereas any solution of cocaine containing less than 1 in 1,000 would be outside. It is clearly impossible that this should be the intention, but the fact that such an interpretation could be read into the actual wording of the Regulation seems to call for a definite ruling on the point. Great issues are involved in the correct definition of the word "drug," and I would suggest that you approach the Home Secretary on the subject. It is just possible, however, that if you do he will tell you that "drug" occurs twice in the sentence. The first time it refers only to cocaine, and could refer to nothing else. Why cannot we take it for granted that on the second occasion it refers to the same thing?

Yours truly,

P.H.C. (163/13.)

[Comments to the same effect have been received from others as well as from "Xrayser II.," and we are glad that the matter has been taken so seriously, for it is connected with a new condition imposed by the Home Office in the dispensing of any cocaine according to the prescription of a registered medical practitioner. The amount and percentage of the cocaine-content must be stated on the label affixed to the package or bottle. This is the Home Office interpretation of paragraph 5:

"If any person sells any article into the composition of which cocaine enters, in a package or bottle which has not plainly marked on it the amount and percentage of cocaine in the article, he shall be guilty of a summary offence against these Regulations."

This interpretation violates the principles of all British pharmacy laws in respect to medicines dispensed, and is contrary to paragraph (1) of the Regulations, which is to the effect that an authorised person is not guilty of a summary offence if he proves that conditions (a), (b), (c), (d), and (e) have been complied with. Labelling with the percentage of cocaine-content is not in these five conditions, which solely apply to dispensing. We submit that the Home Office should, like Parliament, recognise that conditions as to (1) dispensing and (2) sales differ forensically, and we say further that Regulation 40B continues this distinction. —EDITOR C. & D.]

Compulsory Membership.

SIR,—While usually being quite in sympathy with the observations of "Xrayser II.," I think in his remarks upon the above subject, in the December 16 issue of your journal, he is wide of the mark. What the advocates of the compulsory scheme say is this: On being qualified a pharmacist is entitled to do certain things not permitted to the unqualified. He has been examined and granted qualification in the interest of the public, whose interests are paramount in the eyes of the Privy Council. It is essential for the proper carrying-out of the practice of pharmacy that each qualified man should be registered. "Xrayser II." may say, "But all pharmacists are registered now," and I would reply, "Are they?" Could the Registrar put his hand on every qualified pharmacist now? Is it reasonable to expect him to run about hunting up every man who is too tired or apathetic to note his change of address? Make it compulsory for every man to notify his existence and address each year, failing to do which he will be struck off the register, and the Registrar would have a comparatively "cushy" job. And surely the work of keeping a register is worth something! Would we make tonics gratis for our overworked Registrar? I think not. Then why should he work for nothing? Why does "Xrayser II." think compulsory membership the stuff that dreams are made of? Would

it be more impracticable in pharmacy than in law? To be on the rolls of the Incorporated Law Society one must pay an annual fee of 7l. 7s., which is a *sine qua non* of power to practise. Are solicitors less professional because of that? Does the Law Society rank as a trade-union, and are the members working less in the interest of the community? No. The Pharmaceutical Society, by its Charter, not only exists to safeguard the public, but for the protection of chemists, and the best way to accord that protection is by obtaining further legislative powers rendering membership compulsory—that every pharmacist will be represented by the Society. The Society could then dispense with the system of touting for members now in vogue. Failing such straightforward method of increasing the income of the Society, I would strongly urge resorting to 0.8 as a Society "establishment-charge." I would say to "Xrayser II," "Come out of your shell and see things as they are these days, and some of your 'Observations and Reflections' will be better worth reading."

Streatham.

C. BREESE.

["Xrayser II." will speak for himself. Meanwhile we recall the fact that about twenty years ago the Society was in as deplorable a financial condition as it is now, and the Minor examination-fee (previously raised from 3l. 3s. to 5l. 5s.) was increased to 10l. 10s. It was then officially explained that the addition of 5l. 5s. was a registration-fee, so that the Society has been very well paid for its examination and registration work, as Mr. Breese can ascertain by looking up the Society's balance-sheets. Here are a few figures from them:

1893. Total income, 17,765l. From examinations, 8,748l.; from members, etc., 4,936l.

1898. Total income 16,280l. From examinations, 9,672l.; from members, etc., 4,802l.

1903. Total income, 18,062l. From examinations, 10,215l.; from members, etc., 6,345l.

1908. Total income, 15,769l. From examinations, 6,705l.; from members, etc., 6,842l.

1913. Total income, 18,341l. From examinations, 7,497l.; from members, etc., 8,075l.

The years 1893 and 1898 were Minor five-guinea years, after that ten guineas. The total includes also Preliminary, Major, and registration fees. The diminution in the 1908 figures was due to the changed Preliminary examination conditions. Anybody who cares to examine the Society's accounts since 1868 will find that the examination and registration work then given to the Society to do has kept it and made its Councils prodigal. Even now the Council does not ask its members to make good the deficiency it suffers from lack of examination candidates, but wants the trade to furnish more money than the tens of thousands already given to the Society, which has not the legal power to enforce compulsion.—EDITOR C. & D.]

Sale of Glycerin.

Mr. William Smith, 34 Silver Street, Durham, writes to say that he received last week from the Ministry of Munitions a letter commencing: "It has been reported to this Department that you are continuing to sell glycerin to the public," and asking him to apply the restrictions recommended by the Department in April. He says that other chemists in Durham and other towns have received similar communications, and he mentions a prominent firm in connection with the matter. Mr. Smith will be glad if any chemist who has received a similar notice will communicate the fact to him with any other material particulars.

Jay Macksims.

(As he Writes Them.)

The Edinburgh veto (C. & D., December 9, p. 50) by an appeal to the by-laws sounds weak, but is doubtless sustaining to some.

Three out of the five resolutions were from speeches by Dott, Ed. White, and MacEwan—all old, but very urgent.

The Pharmaceutical Society, in Edinburgh at least, seems determined upon *felo de se*—2,000l. lost on examinations in 1916; natural death coming all right: why worry?

Currie knocked the bottom out of Skinner's box of bacteria tricks with two words at Portsmouth—"commercial failure."

Thirteen hundred and seventy-nine women studying for the Medical, and the G.M.C. after the Latin to suit them; but then doctors are logical.

"A beggarly pretence of odds and ends and tags was all the Latin needed," said Sir Clifford Allbutt. (Assistants, take note.)

Last week's C. & D. was unusually interesting: along with the exciting political affairs, ancient ideas and old fusty Charters are getting a shake-up.

"Xrayser" must readjust his ideas on women: they are not jostling boys out of the trade, but are taking the place

of boys who will not come into the trade; and they are neater, tidier, and more reliable.

An examiner said years ago, in the C. & D., that they passed the Minor with fewer failures because "they don't argue nor offer to fight examiners, nor come to the examination smelling of drink."

As to business aptitude, the C. & D. has declared our trade deficient in that as a body, and nearly two thousand men have become bankrupt during the last twenty years—usually two a week, which does not sound much like business aptitude. Nor need marriage be a bar to women any more than to women doctors, teachers, or traders.

JAY MACK.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Twopennyworth of Salónica.

"Sal ammoniac was supplied. The above indicates the effect of the war on people's minds."—A. Craven.

"To Gild Refined Gold or Paint the Lily," etc.

"Which is the best way to fold a journal for the post: the front inside or the back inside? Which way is more convenient to the reader?"—Ajax (91/19). [To this an expert in such matters replies: "Purely a matter of individual taste, but our opinion is that the best way to fold for post is with the front page inside."]

From Holloway.

"We are seldom in difficulties, but when we are there is one place to obtain assistance and gain information. The enclosed order was received the other day, and two pennies were tendered for payment. It is one of the best I have seen for a long while, and I think it may interest you."—G. D. (50/8). [This is the order:

2 Strong Temper Powders.

For a Katty old Woman.

The late Sir Lauder Brunton prescribed pulv. potas. bicarb. as temper powder.—EDITOR C. & D.]

Minimum Profits and Protected Prices.

A Country Chemist (153/35) sends us a letter in regard to the recent announcement by C. E. Fulford, Ltd. (Leeds), that the directors have decided that the minimum prices of Bile Beans, Zam-Buk, and Peps shall be the face value of the goods—that is to say, 1s. 3d. small size and 3s. large size. Extra large size Zam-Buk 5s., largest size Zam-Buk 12s. The large multiple chemists' businesses have signified their intention to adopt the new minimum prices. The company states that the new prices will mean ½d. per box extra profit small size and 3d. per box extra profit large size, but when bought direct—say, in a window-show parcel—the large size shows 7½d. a box profit, plus window-show allowance. "A Country Chemist" informs us that he cannot buy from his wholesale houses at a price which will yield him any profit, and submits that no country chemist can possibly conduct a business on less working-expenses than 15 per cent. of their gross turnover, which means that the first 2d. of profit in every shilling turned over goes for expenses before he gets a humble fraction towards interest for capital employed, let alone any remuneration for his own labour. How is he to square himself buying as he is compelled to?

The Height of Sarcasm: A Veracious Record.

"A sweet little vision entered a pharmacy and whispered to the waiting pharmacist the name of an American tooth-paste. The pharmacist was a man who endeavoured to sell British-made goods on every occasion, or as far as possible, at any rate. He often concluded his laudatory remarks on an article something like this: 'Moreover, this preparation is British; nothing German or Yankee about it.' When people asked, 'What have you got against the Americans? Are they not making munitions for us?' he would reply, 'Yes, but Yankee means three-fifths German, one-fifth renegade Irish, and one-fifth nigger; that's the type of community you help when you buy Yankee goods!' On this occasion the British stuff seemed to require a good deal of explanation. Probably the pharmacist was pleased with the 'little vision,' and wanted to gaze upon it as long as possible without making the fact too obvious. Anyway, the sweet little vision regarded him with a winning but arch smile until he had finished, when she fashioned her tiny hands infundibuliformly before her coral lips, and throwing her silvery voice to the back of her glorious throat in excellent imitation of a gramophone, squeaked, 'Wh-r-r-r-r. . . Edison Bell . . . r-r-r-record. . .'"—C. W. Kemsey-Bourne.

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

Ajax (158/42).—The new ruling in regard to the Fairchild Scholarship is perfectly legal, and inevitable owing to the conditions resulting from war.

J. B. (160/34).—Benzine may not be sold unless to persons who hold a licence for the use of motor-spirit. The whole matter was fully explained in the *C. & D.*, September 2, p. 43, and for the necessary authority you should apply to the Petrol Control Committee, 19 Berkeley Street, London, W.

Glycerin (153/65).—(1) A medical prescription for glycerin can be dispensed as many times as you please, it not being necessary for the doctor to re-write or re-indorse the prescription each time that the glycerin or preparation containing it is required. (2) Condy's Fluid in an Insurance prescription or anywhere else is Condy's Fluid—i.e., the preparation made by Condy & Mitchell, Ltd.

Panel (158/61).—There is no prohibition by the English Insurance Commissioners or English Insurance Committees of prescription by panel practitioners of suprarenal-gland tablets. It is customary, however, to tell doctors who prescribe proprietary forms of medicines that payment for any proprietary form will not be continued if the prescription is repeated. As the practice varies in different districts, your best plan is to ascertain the custom in your own district by inquiry of the Secretary of the Pharmaceutical Committee.

Shellac (158/43) has an earned income of 201*l.* 10*s.* and lives in a house which he owns, of which the gross rental assessment is 40*l.* His total income, therefore, for purposes of abatement and allowable deductions is 241*l.* 10*s.* He has an insurance on his own life, for which he pays a yearly premium of 4*l.*, and he has three children living and under the age of sixteen years. His proper assessment to income-tax is:

| | £ | s. | d. |
|---|------|----|----|
| Gross £201 10 <i>s.</i> + £40 | 201 | 10 | 0 |
| Less $\frac{1}{2}$ of £40 for repairs (£6 17 <i>s.</i>) and allowance for rates (£5 13 <i>s.</i>) | 12 | 10 | 0 |
| Net | 229 | 0 | 0 |
| Abatement | £120 | | |
| Life insurance | 4 | | |
| Allowances for children | £0 | | |
| | 184 | 0 | 0 |
| | 45 | 0 | 0 |

He is liable to pay tax upon 45*l.* in this way: Tax on 27*l.* 10*s.* at 3*s.* in the pound, and on 17*l.* 10*s.* at 2*s.* 3*d.* in the pound. As he has paid at 5*s.* in the pound he is entitled to reclaim what has been overpaid. Allowances made for life-insurance premiums and for children must be made from earned income first, where the person has both earned and unearned income. See *C. & D. Diary*, 1917, p. 213, where the subject is fully dealt with.

Miscellaneous Inquiries.

P. C. B. (158/63).—We do not know the composition of the agricultural specialties to which you refer, but they are possibly naphthalene or preparations thereof. See the article on agricultural chemicals in the *Chemist and Druggist Diary*, 1910, p. 217.

Toilet (161/58).—MAKING TOOTH-PASTE.—A little salicylic acid would probably prevent the deterioration of the gelatin solution which you are using. You might also try soap solution, with a proportion of sulphuricinate of soda or Turkey red oil.

W. M. P. (160/32).—BOOKS ON ANALYSIS OF FOOD AND DRUGS.—Parry's "Analysis of Food and Drugs (Chemical and Microscopical)" (2*ls.*, Scott, Greenwood), and Moor and Partridge's "Aids to the Analysis of Food and Drugs" (3*s.* 6*d.*, Baillière, Tindall & Cox).

E. M. (157/33).—GLYCERIN SUBSTITUTE.—We have several times suggested the use of calcium chloride or magnesium chloride to supply, in the place of glycerin, the hygroscopicity which property glycerin was intended to confer. Another suggestion which we have made is to employ sulphuricinate of soda or Turkey red oil.

E. V. Z. (157/63).—DOG NUISANCE.—The usual deterrents which prevent dogs micturating in shop-doorways are sulphur, powdered ammonium carbonate, and naphthalene. As a liquid we suggest a trial of essential oil of camphor containing a little naphthalene, as paraffin and potassium-sulphide solution have objections *sui generis*.

J. M. L. (149/30).—ICE-MAKING.—Refrigerating-machinery in which anhydrous ammonia is employed is used for ice-making. The outlay on capital would, we think, be too great to allow of this method being employed for the manufacture of ice-cream except in very large businesses. Freezing-powders are fairly economical for small-scale operations, such as making ice-cream.

Silversmith (142/66).—TREATMENT OF PIG.—The symptoms you describe in the young pig point to the case as one of tuberculosis or asthma. The treatment is to give castor oil 5*ij.*-3*iv.*, succeeded by doses of cod-liver oil daily for a fortnight. Churn milk or milk soured by the lactic ferment should also be given daily, the diet being light and attention given to the regularity of the bowels.

T. L. (164/55).—SUBSTITUTE FOR GLYCERIN IN COUGH-MIXTURES.—You will find a glucose syrup answer quite well in place of glycerin in cough-mixtures. The syrupy glucose requires dilution to the sp. gr. of glycerin, or you can make a syrup by employing solid glucose. Many chemists have used glucose for their own preparations for years, as it keeps better than syrup made with sugar.

G. H. R. (154/9).—SCURF-LOTION FOR THE HAIR.—The following is a formula of the class you desire:

| | | | | |
|----------------------|-----|-----|-----|--------------|
| Acetic acid | ... | ... | ... | 3 <i>v.</i> |
| Spirit of chloroform | ... | ... | ... | 3 <i>vj.</i> |
| Eau de Cologne | ... | ... | ... | 3 <i>vj.</i> |
| Water to | ... | ... | ... | Quiss. |

*Shake with a tablespoonful of infusorial earth before filtering.

Downpatrick (160/61) has dispensed a mixture containing petroleum and cod-liver oil emulsions with hypophosphites and sodium iodide with paregoric. It has developed "a disgusting smell," and has changed in appearance so much that the customer could not take it. [We are not surprised, but cannot be certain of the cause, as a secret preparation is one of the ingredients. The hypophosphites account for some of the bad odour, and once decomposition begins the iodide will help it. The prescriber should be asked to alter his prescription.]

C. T. N. (153/22).—LUMINOUS PAINT.—The specification for Balmain's paint states that to form the paint the base is mixed with "a colourless varnish made with mastic or other resinous body with turpentine or spirit, making the paint as thick as convenient to apply with a brush, and with as much turpentine or spirit as can be added without impairing the required adhesiveness. Good results may, however, be obtained with drying-oils, spirit-varnishes, gums, pastes, sizes, and gelatin-solutions of every description." We understand that care should be taken not to destroy the crystalline nature of the luminous basis.

S. W. (156/68).—DUODENAL ULCER is characterised by pain two hours or so after food, and relieved by taking food; sometimes the stools are tarry, due to altered blood. There is also frequently vomiting if the ulcer is near the pylorus, due to cicatricial contraction of the pylorus. The ulcer does not heal because it is near the pyloric muscle, which is always in action. The operation, which is necessary when the diagnosis is established, consists of a gastro-enterostomy, which means that a short cut is made for the food to take from the stomach to the bowel so as to avoid passing through the pylorus. This gives the part affected rest, and the ulcer usually heals, leading to a much improved nutrition and freedom from pain.

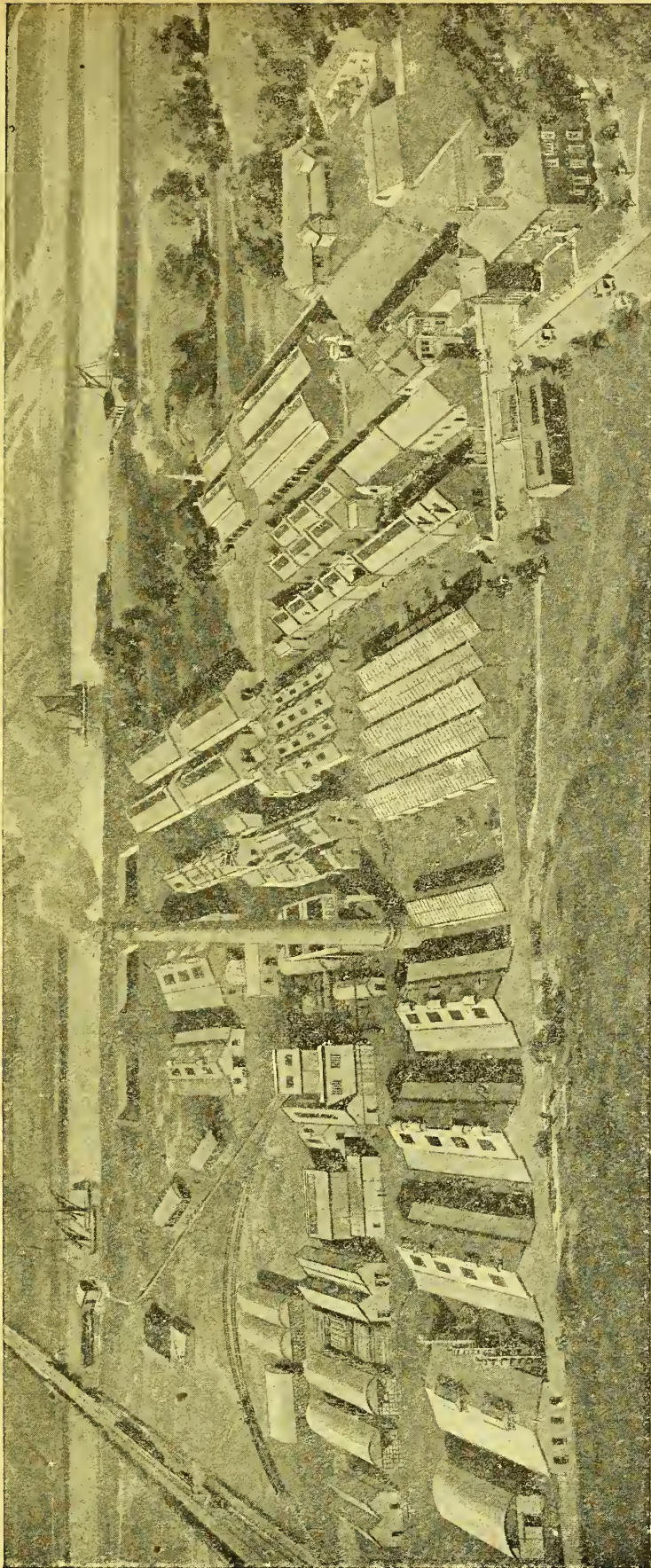
Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Dec. 15, 1866.

On Resins for Varnishes.

In a "Journal de Pharmacie" paper on this subject M. Violette deals with Calcutta copal and its congeners, as well as amber, describing the changes that they undergo when heated to a temperature of 350° or 400° C. in a closed vessel, thus acquiring the property of dissolving in turpentine, benzine, and other liquids. The resins dissolve perfectly in them, and constitute new and very fine varnishes.

HOWARDS' ILFORD WORKS.



*Christmas Greetings & Best Wishes
for the New Year.*

HOWARDS & SONS, LIMITED.

Read these Typical Letters from Customers

—but the Chemist was out of Stock,
—so they sent their orders

39 Broad Lane,
Dalton,
Huddersfield.
10th December, 1916.

Gentlemen,
I see repeatedly you are advertising Sanatogen and have been several times to my Chemist here. It is most essential that I have one or two tins (6½ ozs.) and would consider it a favour if you would kindly forward me per return, and would send on remittance at once. I know it is not customary to do this, but hope you will grant it under the exceptional circumstances.

Yours truly,
A. L. JORDON.

202, Foster Hill Road,
Bedford.
2/12/16.

Dear Sirs,
I enclose herewith P/O value 5/-. Will you kindly send me a tin of "Sanatogen," as I saw same advertised in this week's *Daily Telegraph*. On enquiry, find I am unable to get "Sanatogen" in Bedford.

Yours faithfully,
(Mrs.) H. FOWLER.

Ludgershall,
near Andover, Hants.

Sir,

I have been unable to get Sanatogen and Formamint here. Kindly send a large tin of Sanatogen and a bottle of Formamint Tablets; have enclosed cheque, kindly fill in.

Yours faithfully,
MR. A. JONES.

153, Preston Grove,
Brighton.

Dear Sir,

I want a large box of Sanatogen (9/6), and have not been able to obtain it yet at my Chemist. Is it possible for you to send one? I will gladly send remittance if it is.

Truly yours,
H. V. R. BRONLEY.

132, Caledonian Street,
Wolverhampton.
December 8th, 1916.

Dear Sirs,

Will you kindly send me word where I can get Sanatogen in this town. I have tried various Chemists and they have only offered substitutes.

Yours faithfully,
S. I. ONIONS

who wanted Genuine Sanatogen or Formamint
and they were too impatient to wait—
direct to us, with cash enclosed.

Every post brings us scores of these direct cash orders from the public.

We don't want them: we want the retail trade to have them.

Whenever we execute a direct cash order from the public some chemist somewhere loses a profit which he ought to have made—and would have made if he had stocked in time.

The moral is obvious: keep genuine Sanatogen and Formamint in stock.

If you have any left by the time that we re-christen Sanatogen and Formamint, we will at once exchange them for the new packing and pay carriage both ways.

We shall advertise those new names in such a way that not a single customer will be in doubt as to which are the genuine original products.

The writer of our advertisements will teach the public to ask for them under the new names, just as he taught them years ago to ask for Sanatogen and Formamint when those names were still unfamiliar.

The public soon found out that imitations were not the same as Sanatogen and Formamint; they will be equally quick to realise that we alone have the real thing by whatever name we call it.

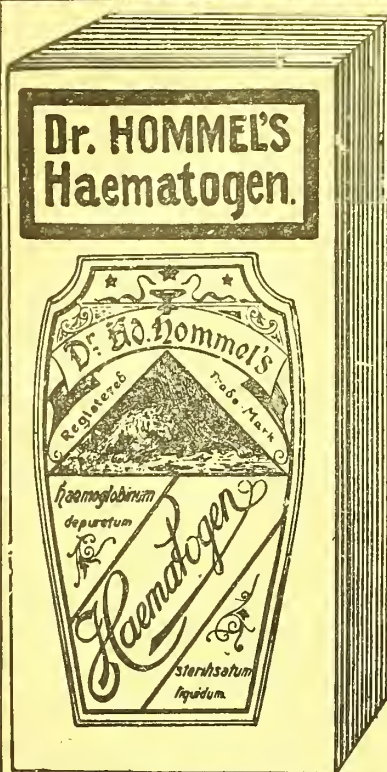
Our preliminary advertising campaign has scarcely begun, yet already there is a brisk demand all over the country, and many a Chemist is getting a foretaste of what the coming "boom" will mean to him.

Don't let your customer go away and send his order to us.

Replenish your stocks **now**, and remember that when you sell genuine Sanatogen or Formamint, nine customers out of ten will come for it again and again.

They did so before the war, and they will do so now.

As we said in our first announcement: "Keep your cash-register ringing merrily with Sanatogen and Formamint sales."



Please Note that

DR. HOMMEL'S HÆMATOGEN

is, and always has been, manufactured in
SWITZERLAND

by Swiss Proprietors,

and that a continuous supply is assured.

NEITHER THE WHOLESALE OR RETAIL
PRICE HAS BEEN INCREASED.

All Orders will be carefully attended to as hitherto.

Sole Agents for Great Britain, India, and Colonies:

GERTH VAN WYK & CO.,

36 & 36a St. Andrew's Hill, LONDON, E.C.

Monsanto Chemical Works, ST. LOUIS, MISSOURI, U.S.A.

Manufacturers of
ACETANILID.

ACETPHENETIDIN
(PHENACETIN).

CAFFEINE
(Pure Alkaloid).

CHLORAL HYDRATE.

COUMARIN.

GLYCEROPHOSPHATE OF CALCIUM.

Glycerophosphate of Sodium

Pure Crystals.

Glycerophosphate of Sodium

Pure Crystals Powdered.

GLYCEROPHOSPHATE of SODIUM 75%

Glycerophosphate of Potassium 75%

Also Glycerophosphate of Iron, Manganese,
Magnesium.

Phenolphthalein. Saccharin. Vanillin.

New York Branch : Platt and Pearl Streets.

MALLINCKRODT CHEMICAL WORKS OF CANADA LTD.

THE products of our manufacture are
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We are in a position to offer the Mother
Country and Sister Colonies a full line of
PHARMACEUTICAL AND
PHOTOGRAPHIC CHEMICALS.

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(Crystals and resublimed)

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Trional (Methyl-
Sulphon.)

Morphine Salts

Hexamethylenetetramine

Acid Gallic

Rhodol (Metol)

Acid Tannic

Sulphonol

MADE IN CANADA

ACID ACETYL-SALICYLIC B.P.

(Pure Aspirin)

Manufactured at our Montreal Works. BRITISH MAKE.

Lowest Prices for Wholesale Quantities.

Cable Address : " Mallchem Montreal."

THE SEASON FOR

Anti-Parasitic Powder
Antiseptic Foot Powder
Anti-Thirst Tablets

IS NOW ON

Write for Prices. We can offer advantageous prices for these lines.

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EDINBURGH & LONDON, 155 Farringdon Road, E.C.

THE FABRA COMPANY, LTD.

24 Minories,
LONDON.

Lloyds Bank Bldgs.,
MANCHESTER.

54 Gordon Street,
GLASGOW.

BETA-NAPHTHOL

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STANDARD.

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NEW YORK.

GALENICALS

FROM CHEMICALLY AND PHYSIOLOGICALLY TESTED DRUGS.

Willows, Francis, Butler & Thompson, Ltd.,
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Warrington Chemical & Drug Co.

PADDINGTON WORKS, WARRINGTON

Manufacturers of

Salicylic Acid & Salicylates
OF FINEST B.P. QUALITY.

IMMEDIATE DELIVERY.

Cable Address: "BURNSIDE." Code: A B C, 5th Edition.

EUCALYPTUS OIL, Rectified

Eucalyptol content 70 to 80%

Optical rotation 0 to 1

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ABSOLUTELY FREE FROM PHELLANDRENE.

Quotations by cable. Wholesale trade only.

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EUCALYPTUS OIL DISTILLERS.

EAGLEHAWK, VICTORIA, AUSTRALIA.

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a Dutch firm of good standing in

UTRECHT (HOLLAND),

are open to take up the

Representation

of important Manufacturers of Chemicals
and Pharmaceutical Specialities.

First-class references and proofs of successful
selling can be produced.

PICKARD, IVE & RANKIN, Ltd.

Walmer Chemical Works, NOTTING HILL, LONDON, W.

British Acetyl-Salicylic Acid

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SHOULD STOCK

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THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Quarter of a Century's Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral
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Order through your Wholesale Drug House.

D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

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THE "LITTLE VICTOR"



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*A steady-selling line
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Retail Price 1/3.

*It embodies the only
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JUBOLRe-education of the Intestine.
Constipation, Enteritis, Hæmorrhoids,
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Price 5/- per box.

GLOBÉOLPowerful Blood Tonic.
Anæmia, Nervous Exhaustion, General
Debility, Tuberculosis Convalescence,
etc.

Price 5/- per bottle.

PAGÉOLPowerful Urinary Antiseptic.
Gonorrhœa, Cystitis, Prostatitis, Catarrh
of the Bladder, Renal Tuberculosis,
Hypertrophy of the Prostate, etc. etc.

Price 5/- and 11/- per box.

JUBOLITOIRESScientific Suppositories.
Hæmorrhoids, Rectitis, Anal Fistula,
etc.
Anti-hæmorrhagic, Sedative, De-congesting.
Price 5/- per box.**URODONAL**Powerful Uric Acid Solvent.
Rheumatism, Gout, Arterio-sclerosis,
Stones, Gravel, Sciatica, Neuralgia and
all Uric Acid disorders.

Price 5/- and 12/- per bottle.

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Chronic Skin Affections, Psoriasis,
Eczema, Acne, etc.

Price 11/- per bottle.

GYRALDOSEAntiseptic for local Gynæcological use.
Leucorrhœa, Metritis, Salpingo-Ovaritis,
Discharges, etc.

Price 4/- per box.

FANDORINEInternal remedy for Women's diseases,
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SINUBÉRASERemedy for Intestinal Disorders, Dysentery,
Diarrhœa, Dyspepsia, Enteritis, Infectious
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Price 5/- per bottle.

FILUDINESpecific for the Liver.
Malaria, Diabetes, Cirrhosis, Sluggish
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Price 11/- per bottle.

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Foreign Chemists, 164 PICCADILLY, LONDON, W.

Stocked by all Wholesalers. Now being largely advertised.

THE ANGLO-FRENCH DRUG CO., Ltd.

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Gamage Buildings, HOLBORN, LONDON, E.C.

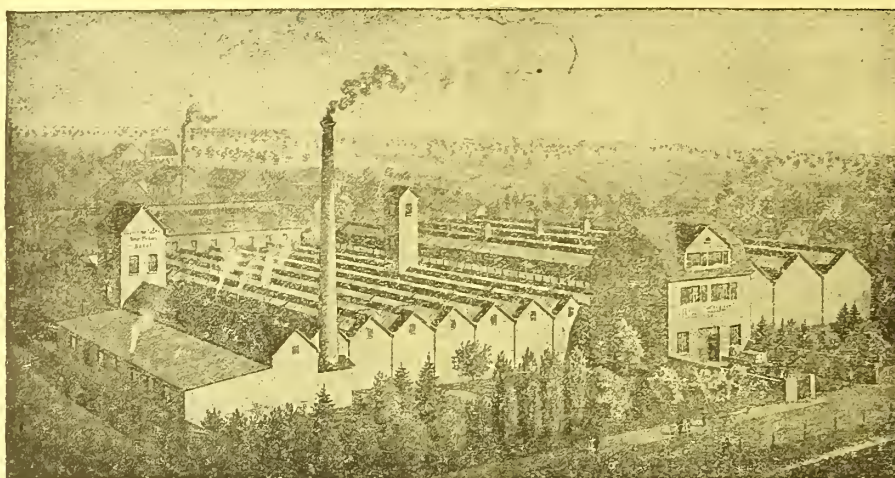
Telegrams—"AMPSALVAS LONDON."
Telephone—HOLBORN 1311.**AMPSALVS.** For the instantaneous pro-
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solution, aseptic filtration, and direct aseptic entry
into syringe. Simple, Safe and Economical.**GALYL.** Salvarsan and Neo-Salvarsan substi-
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equally effective o.1 Spirochaetes and Trypanosomes,
but free from neurotropic and congestive action.**HECTINE.** Anti-syphilitic of low arsenic
percentage. Good results in
intractable syphilis. Administered by Intramuscular
Injection; also in Pills.**HECTARGYRE.** Combined arsenic
and mercury treat-
ment of syphilis; especially recommended after a
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Has given most encouraging results in a good number
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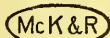
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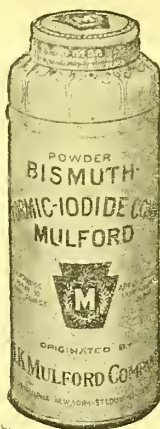
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Bismuth-Formic-Iodide Comp. Powder is indicated in all acute or chronic inflammations of the skin and subcutaneous tissues, such as exist in specific or non-specific skin diseases, ulcers, wounds, and suppurating surfaces, burns, scalds, abscesses, etc. It is of particular value in the treatment of chronic indolent leg-ulcers and in local diseases of a markedly inflammatory and



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Tetanus Antitoxin, Antistreptococcic Serum, Antimeningitis Serum and a full line of Biological Products

H. K. MULFORD COMPANY, Philadelphia, U. S. A.

Manufacturing and Biological Chemists

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Beecham's Pills :

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| 1s. 3d. size | ... | ... | ... | ... | ... | 10s. 6d. per doz. net. |
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| 5s. 0d. { new size | ... | ... | ... | ... | ... | 50s. 0d. " " |

{ contains double the quantity of 3/- box.

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Orders : Minimum quantity £5 value—approximately. | Packages FREE. Carriage PAID.

These Prices are the lowest no matter what quantity is ordered.

TERMS : CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM, and crossed "Parr's Bank, Ltd., St. Helens."

N.B.—Prices quoted herewith are for preparations according to the New Pharmacopoeia, 1914.

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below:

N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Orris, English Ground, 1 cwt. @ 98/- cwt.; 7 lbs. @ 11½d. lb.
Oss, Sepia Pulv., 1 cwt. @ 70/-; 7 lbs. @ 9d. lb.
Otto Rose, finest, 1 oz. @ 58/- oz.; No. 2 1 oz. @ 37/6 oz.
Oxytel Scilla, B.P., 1 cwt. @ 65/- cwt.; 7 lbs. @ 8½d. lb.

Papain, 1-80, 1 oz. @ 3/- oz.
Parafinum Durum, B.P., 2 cwt. @ 6d. lb.; 1 cwt. @ 7d. lb.; 56 lbs. @ 7½d. lb.; 7 lbs. @ 8½d. lb.; Mollis Flav., B.P., 3½ cwt. @ 37/6 cwt.; 1 cwt. @ 44/- cwt.; 28 lbs. @ 5½d. lb.; 7 lbs. @ 6d. lb.; Alb. B.P., 3½ cwt. @ 72/- cwt.; 28 lbs. @ 9½d. lb.

Paraldehyde, B.P., 1 lb. @ 13/6 lb.
Pepsin, B.P., 1 lb. @ 12/- lb.
Phenacetin, P.B., pulv., 1 lb. @ 120/- lb.
Phenazone, P.B., 1 lb. @ 45/- lb.
Phenolphthalein, 1 lb. @ 97/6 lb.
Pix Burgund., Druggists', 1½ cwt. @ 38/- cwt.; 7 lbs. @ 6d. lb.

Plumbi Acetas, Druggists', 1 cwt. @ 105/- cwt.; 7 lbs. @ 1/- lb.; Powder, 1½d. lb. extra.
Podophyll. Resina, P.B., 1 lb. @ 15/6 lb.
Potassa Caustica Sticka, P.B., 1-lb. Boia. @ 14/- lb.

Potassa Acetas, Gaian., P.B., 28 lbs. @ 3/10 lb.; 7 lbs. @ 3/11 lb.
Potass. Bicarb. Pulv., 7 lbs. @ 2/- lb.
Potassa Brom., P.B., 7 lbs. @ 7/9 lb.
Potassa Chlor., Pulv., 7 lbs. @ 3/4 lb.
Potass. Cit., B.P., 7 lbs. @ 4/4 lb.
Potassa Cyanidum, 98%, 7 lbs. @ 3/9 lb.
Potass. Iod., P.B., 14 lbs. @ 15/- lb.; 3 lbs. @ 15/6 lb.

Potass. Metabiphosph., 7 lbs. @ 3/3 lb.
Potass. Permang. Cryst., 2 lbs. @ 11/- lb.
Potass. Prussias Flav., 7 lbs. @ 5/6 lb.
Pulv. Cretæ Arom., P.B., 14 lbs. @ 9d. lb.; c. Oplo, B.P., 7 lbs. @ 2/6 lb.
Pulv. Glycyrrh., Co. B.P. (Green), English Ground, 56 lbs. @ 88/- cwt.
Pulv. Ipecac. Comp., P.B., 1 lb. @ 7/- lb.
Pulv. Jalap Comp., P.B., 1 lb. @ 2/4 lb.
" Rhel Comp., P.B., 1 lb. @ 2/- lb.

Quassia Chips, 1 cwt. @ 40/- cwt.; 28 lbs. @ 5d. lb.
Quinine Bisulph., 10 oz. @ 4/3 oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.
Quinine Hydrobromatæ, B.P., 25 oz. @ 3/9 oz.; 10 oz. @ 3/10 oz.
Quinine Hydrochlor., B.P., 25 ozs. @ 3/6 oz.; 10 ozs. @ 3/7 oz.
Quinine Sulph., B.P., 100 ozs. @ 2/9 oz.; 25 ozs. @ 3/- oz.; 10 ozs. @ 3/1 oz.

Rad. Gentian, English Ground, 1 cwt. @ 118/- cwt.; 7 lbs. @ 1/2 lb.
Rad. Glycyrrh., English Ground, 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.
Rad. Ipecac. Ric., 1 lb. @ 11/- lb.
Rad. Jalap, English Ground, 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/5 lb.
Rad. Rhel., E.L., English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
Rad. Rhel. E.L. Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Resorcin, B.P. 1 lb. @ lb.

Saccharine, 7 lbs. @ lb.; 550 or 500, 1 lb. @ lb.
Sacchar. Ust., 1 cwt. @ 52/- cwt.; 10 lbs. @ 7d. lb.
Saffron, Valentin, B.P., 7 lbs. @ 43/- lb.; 1 lb. @ 45/- lb.; 1 oz. @ 3/- oz.
Sal. Acetos., 7 lbs. @ 2/7 lb.
Salicinum, B.P., 1 lb. @ 22/6 lb.
Salol, B.P., 1 lb. @ 14/- lb.
Sang. Draconis, pulv., English ground, 7 lbs. @ 3/- lb.

Santoninum, P.B., 16 oz. @ 160/- lb.
Sapo Cast. Alb., 2 cwt. @ 55/- cwt.; 7 lbs. @ 7½d. lb.; pulv., 1 cwt. @ 112/6 cwt.; 56 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.; Anmal pulv., 1 cwt. @ 95/- cwt.; 56 lbs. @ 100/- cwt.; 7 lbs. @ 1/- lb.

Scammony Resin, Pulv., B.P., 7 lbs. @ 9/3 lb.; 1 lb. @ 9/6 lb.
Sbellac (Orange), 1½ cwt. @ 155/- cwt.; 7 lbs. @ 1/6 lb.
Soda Caustica, 6 1-lb. bots. @ 5/3 lb.
Soda Cit., B.P., 3 lbs. @ 3/4 lb.
Soda Sulphite, Recryst., 1 cwt. @ 25/6 cwt.; 7 lbs. @ 4d. lb.

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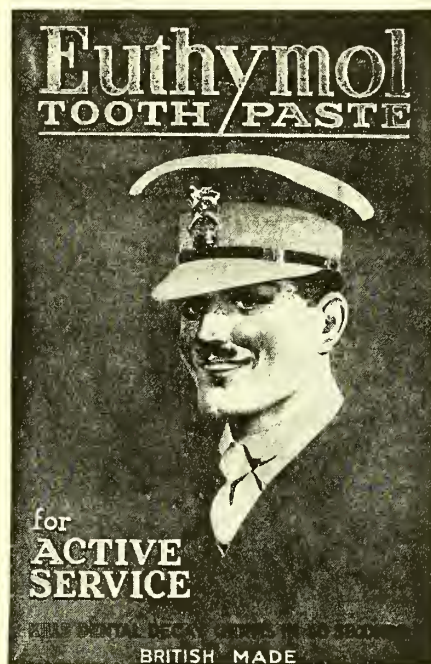
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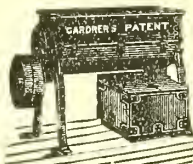
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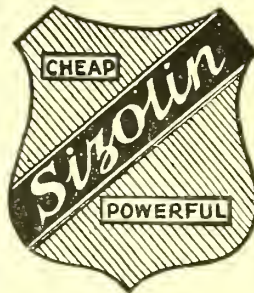
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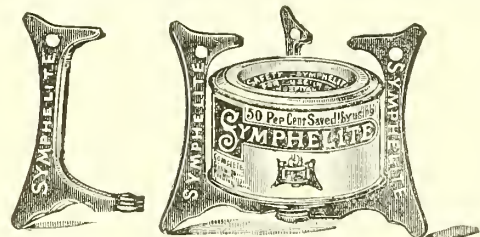
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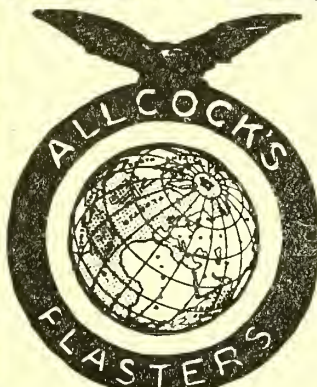
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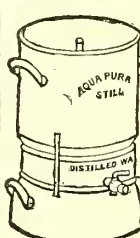
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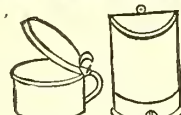
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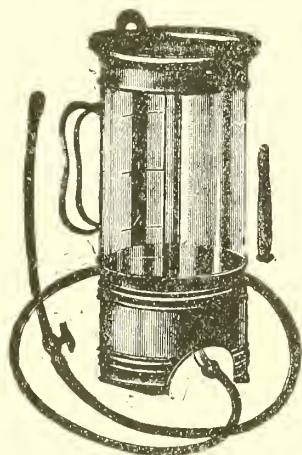
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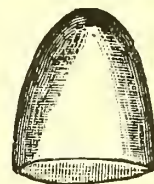
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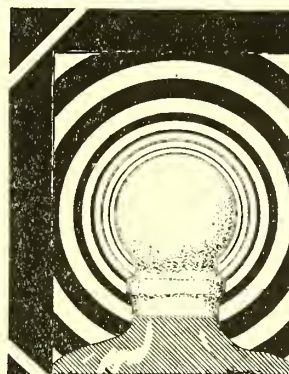
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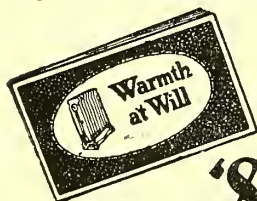
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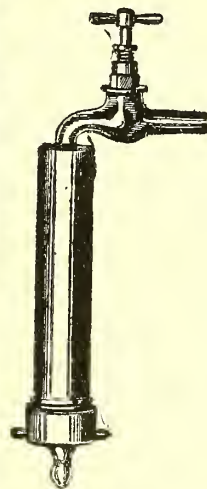
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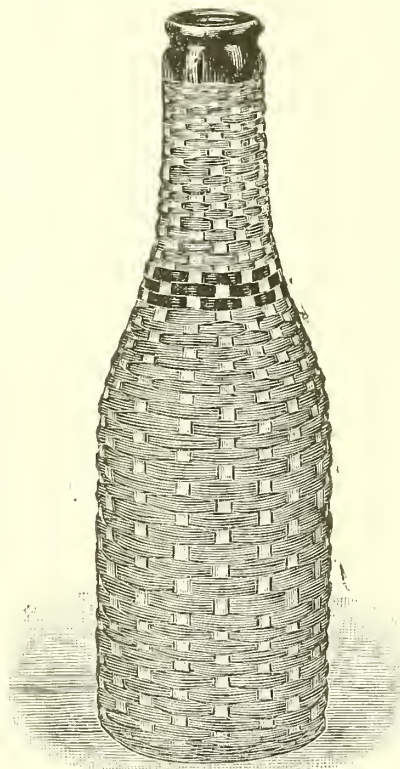
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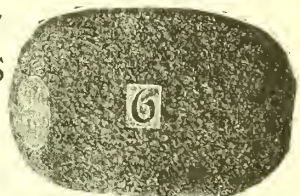
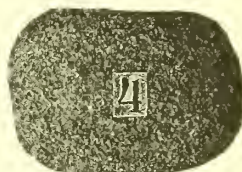
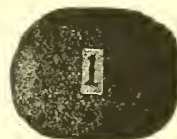
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Four 7 lb. Boxes CARRIAGE PAID for 4/-.

Six 7 lb. Boxes CARRIAGE PAID at 11/6 per doz.

Assorted Orders to value of 10/-, CARRIAGE PAID, any of above sizes.

| No stock to hold | Bags of 28 lbs. | Each. 3/6 | Each. 3/6 | Each. 3/- |
|------------------|-----------------|--------------|--------------|--------------|
| " 56 " | ... | 6/6 | 6/6 | 5/6 |
| " 1 cwt. | ... | 12/- | 12/- | 10/- |

Carriage Paid.

2½% Discount for Cash on all orders of 20/- and upwards.

Packing Cases extra and returnable. Half value allowed if not returned.

TIDMAN & SON, Ltd., London, E. (Members of P.A.T.A.)



Iron-mould—watch it vanish!
A rust-stain does not mean a catastrophe now. MOOVOL saves your blouses from the rag-bag, because it absolutely clears the stain away whilst you look. A touch, a gentle rub, a wait of two minutes and the stain is no more.

MOOVOL
Maid

Removes 'Iron-mould,' Rust, Fruit and Ink Stains.
A Thumbful in the rinsing water removes the YELLOW TINGE from linen. Send 1s. 2d. for a sample at once.

EDGE'S, Bolton, Lancs
Sold by chemists, ironmongers, etc. In 6d. and 1s. tubes

You Reap the Profits!

The above is only one of the many forceful advertisements now appearing in the most influential National publications and Fashion periodicals telling housewives that Iron-mould is no longer immovable. Moovol contains no injurious acids and is not harmful to the most delicate fabric.

ARE YOU PARTICIPATING IN THE PROFITS?

Send a P.C. for trial stock and display material to

**WM. EDGE & SONS, LTD.,
BOLTON, LANCs.**

(THE DRUMMER DYE PEOPLE.)

A WORD ABOUT LIME CREAM

To meet the present
BIG DEMAND

for a **First-class** Lime Cream for the Hair, we are prepared to supply promptly in **All Quantities**, packed as required, up to 40-gall. casks, at **Most Reasonable** prices.

Apply, stating quantity required,
— for samples and quotations —

ROBERT BLACKIE

Shen Works, Tower Bridge Road,
LONDON, S.E.

Dinkie
The Dainty Deodorant

A new and attractive line that is sure to enjoy good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars. Ask your wholesaler.

DECOLENE
The liquid hair remover

A new idea in depilatories. Simple and safe to use—effective in use. Pleasant and harmless. Invaluable during the vogue of the décoletté gown. Daintily packed. Ask your wholesaler.

TRADE TERMS

DINKIE:

P.A.T.A. Retail . . . **2/6**
Per dozen 20/-

DECOLENE:

P.A.T.A. Retail . . . **3/9**
Per dozen 30/-

Monthly Accounts nett. 5% Cash with Order.

Carriage Paid on £1 lots. Particulars on request.

ROBARTES LTD.

128 Jermyn Street, London, S.W.

Telephone: Gerrard 3672

Satisfaction
Guaranteed
or Money back



Trade Mark



**STIPENDUM
CORK
STOPPERS**

in all sizes suitable for
**KALIS, CITRATES,
DISPENSING, and all
FLUIDS.**

**STIPENDUM
COVERED POTS**

THE BEST FOR FACE AND TOOTH POWDERS,
PASTES, AND OINTMENTS.
GREASE PROOF.

For Samples & particulars apply to
The
Stipendum Stopper Co.
1 Newman Street,
LONDON, W.
Tel. No. 3769
GERRARD.

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.
Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

FOR CHAPPED HANDS & ROUGHNESS OF THE SKIN



Apply "PLANO" at night. Your hands will be smooth in the morning. Placed on the counter "PLANO" sells itself. **100% Profit.** and your customers will want it again.

PRICE 2d. per tablet.

PRICE LIST.

| | | |
|--------------|------------------|---------------------------------|
| 3 doz. 4/- | £1 2½% discount. | 13 to doz. for cash with order. |
| 6 doz. 7/- | £2-5 5% | All goods carriage paid. |
| 12 doz. 13/- | £7 7½% | |

MILNER'S CHEMICAL CO., LIVERPOOL.

PRICE
4 2/-
PER GROSS

PACKED IN COLLAPSIBLE TUBES WITH RIBBON ORIFICE

A PERSONAL RECOMMENDATION
THYMOL-TOOTH PASTE

THIS ARTICLE IS SPECIALLY PREPARED TO MEET YOUR ORDER

IT IS A SUPERIOR PRODUCT

AND WE HAVE NO HESITATION IN ADVISING OUR CUSTOMERS TO USE IT BEING CONSCIOUS OF THEIR APPRECIATION

PER TUBE **7 ½**

SPECIMEN SHOWCARD GIVEN FREE

HALL FORSTER & CO., LTD.
Manufacturing Chemists
NEWCASTLE - ON - TYNE.

**OVER 100 % PROFIT
ENSURED & PROTECTED (P.A.T.A.)
for sellers of**

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

| Size. | Minimum retail. | Minimum wholesale. | |
|-------|-----------------|--------------------|-----|
| 1/- | ... | 1/- | ... |
| 1/6 | ... | 1/6 | ... |
| 2/6 | ... | 2/3 | ... |
| 3/6 | ... | 3/3 | ... |

per doz.
less 5%
discount

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

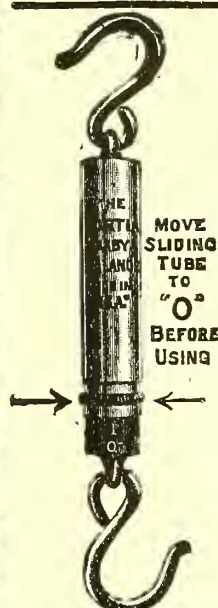
Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E.

A Profitable Seller



**THE
"PORTIA"**

(Regd.)

NET WEIGHT

Baby Balance

Weights up to 15 lb.

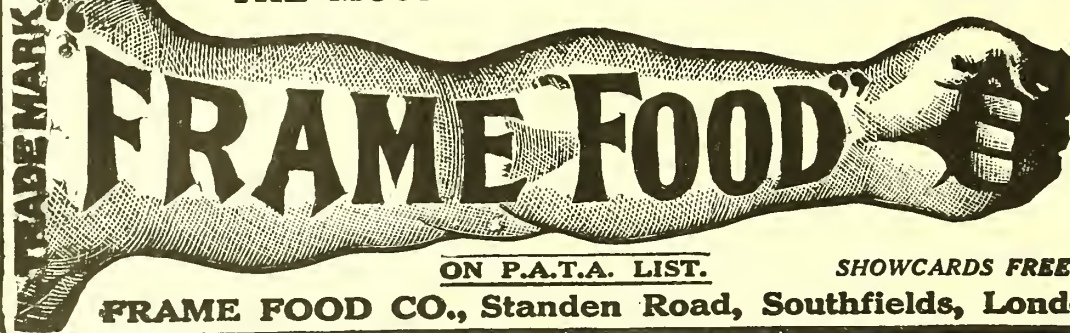
| | |
|-------------|------------|
| Price | Retail |
| 11/6 | 1/6 |
| dozen. | each. |

Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

SOLPORT BROS.,
184 to 190 Goswell Rd., London, E.C.

Obtainable through all Wholesale Houses.

THE MOST ECONOMICAL INFANTS' FOOD.



FRAME FOOD CO., Standen Road, Southfields, London.

DIABETES

CHELTINE FOODS CO., CHELTENHAM.

FLOUR, BISCUITS, BREAD, FOOD, Etc.

Highly Recommended by Medical Profession
INFANTS' FOODS packed under Chemists' "OWN NAMES."
All particulars on request.

FINEST QUALITY

MILK POWDER. CASEIN.*Inquiries and Orders Solicited.*

PRIDEAUX'S LTD., DEPT. C, MOTCOMBE, DORSET.

LONDON OFFICE:

16 HOP EXCHANGE, Southwark Street, S.E.

**A. MILLAR & CO., LTD., DUBLIN
PURE ORANGE WINE**

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

Virophos

TRADE

MARK.

**AN IDEAL
TONIC FOOD**

of proved utility in Nervous Exhaustion and Wasting Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

"It is of high nutritive value, enhanced by the presence of assimilable phosphates."—*The Lancet*.

The pleasant flavour of VIROPHOS is much appreciated by patients.

PROFIT ON VIROPHOS.

| | |
|----------------|----------------------------------|
| No. 1 (1½ oz.) | Retail 1/3 per tin, 9/- per doz. |
| No. 2 (3¼ oz.) | „ 2/- „ 14/6 „ |
| No. 3 (6¼ oz.) | „ 3/6 „ 24/- „ |
| No. 4 (13 oz.) | „ 6/- „ 42/- „ |

For Export, No. 3 size, in bottles at 27/- doz. is recommended.

Introduced and prepared only by

C. J. HEWLETT & SON, Ltd.
35-42 CHARLOTTE STREET, LONDON, E.C.**“Prana” Sparklets.****NOTICE TO THE TRADE.**

MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the “Prana” Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards “D” Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

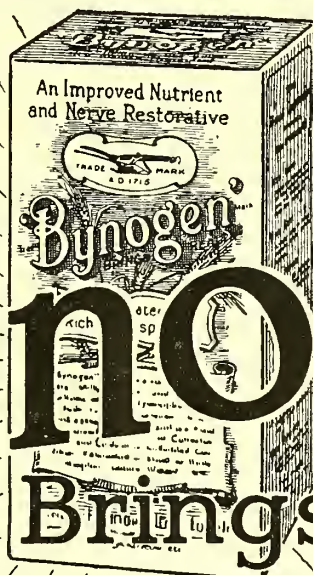
AERATORS LTD.,“Prana” Sparklet Works,
Upper Edmonton, N.

The Improved Casein-Glycerophosphate Food

‘Bynogen’

Trade Mark

Brings Health



An Easily Digested Nerve Food Rich in Phosphorus

Composition of "Bynogen."

"Bynogen" is a combination of pure Milk Protein, 75 per cent., and specially prepared Dextrin-Maltose, 20 per cent., with 2 per cent. each of the Glycerophosphates of Soda and Lime, and 1 per cent. of Glycerophosphate of Magnesia.

Uses of "Bynogen."

"Bynogen" is indicated in all Enfeebled Conditions, in Convalescence after Severe Illness, Mental and Nervous Exhaustion due to worry or overwork, Insomnia, Physical Fatigue, Wasting Diseases, Anæmia, Digestive Troubles, etc.

"Bynogen" is very helpful to Nursing Mothers for overcoming the strain caused by breast feeding.

Minimum Retail Prices:
1/9 and 3/- per bottle.

Gross Wholesale Prices:
17/- and 29/- per doz. bottles
respectively.



A Concentrated Nutrient and Restorative

Advantages of "Bynogen."

"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.

"Bynogen" strengthens digestion, improves nutrition, and does not cause constipation.

"Bynogen" is delicious when sprinkled on puddings, toast, etc. It mixes readily with milk and other fluids, or it may be eaten plain if desired.

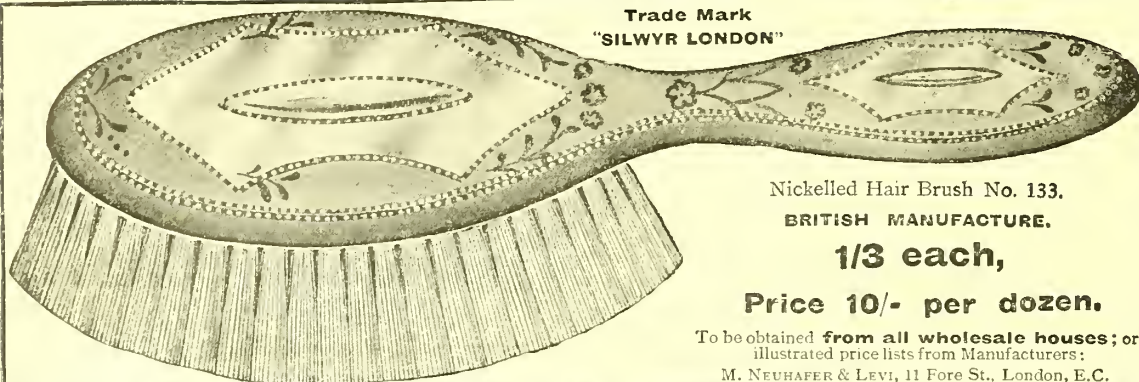
Profit on "Bynogen."

"Bynogen" yields a profit on return of 25% monthly a/c terms. When "Bynogen" forms part of a £5 carriage paid general order for the "Allenburys" Specialities the profit on "Bynogen" is increased to 27½%.

SAMPLES AND DESCRIPTIVE
LEAFLETS FREE ON REQUEST

Allen & Hanburys Ltd.

Lombard St., London.

Trade Mark
"SILWYR LONDON"

Nickelled Hair Brush No. 133.

BRITISH MANUFACTURE.

1/3 each,

Price 10/- per dozen.

To be obtained from all wholesale houses; or
illustrated price lists from Manufacturers:

M. NEUHAFFER & LEVI, 11 Fore St., London, E.C.

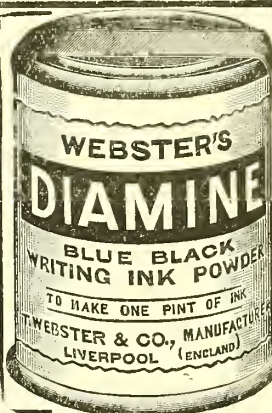
HEALO

CURES ALL SKIN TROUBLES

A Bristol Agent writes:—"It may interest you to know I have sold 27 boxes in the last few weeks, and one customer is so pleased with the curative power of HEALO he is sending a testimonial."

Why not write for particulars of our Advertising Scheme at once? HEALO pays to handle—there is 30% profit in it for you. It sells itself.

MAURICE SMITH & CO.,
Manufacturing Chemists - KIDDERMINSTER.



WRITING INK POWDER

As supplied to Govt. Depts.
and the principal Railway Cos.
Saves 98% Freight.
Suitable for any Climate.

ALSO

WRITING INKS,
COPYING INKS,
GUMS, PASTES,
INK POWDERS,
STENCIL INK.

T. WEBSTER & Co.
Diamine Works,
LIVERPOOL.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO., LTD.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

Telephone No. 138 Pendleton.

ESTABLISHED 1855.

Telegraphic Address: "Champagne Manchester."

B. ROBINSON & CO., Ltd.

PENDLETON, MANCHESTER.

CONCENTRATED WATERS.

Aqua Amygd. Amar. Conc. (U.S.)
" Anethi Concent.
" Anisi
" Camphoræ "
" Caryophyl "
" Carui
" Cinnam. Ver. Conc.
" Cassiæ Conc.
" Flor. Aurant. Conc.
" " Sambuci Conc.

Aqua Fœniculi Conc.
" Ment. Pip. Conc.
" " Ang. Conc.
" " Virid. Conc.
" Pimentæ Conc.
" Pulegii
" Rosmarini "
" Rosæ
" " Virgin Conc.

WHOLESALE TERMS on application.

STANDARDISED TO B.P. 1914. Customs Drawback on Export Orders now allowed. Inquiries solicited, which shall have prompt attention. Samples free to the Trade.

NOTE.—These Original Concentrated Medicinal Waters (1-40) still maintain their foremost position, and are unsurpassed by any other make.

THE BEST HOUSE IN THE TRADE
FOR

FINEST QUININE WINE

B.P. 1914. Fully Matured.

Specially prepared for Home and
Export.

SPECIAL PRICES AND TERMS.

In Bulk or in Bottles.

Customer's Own Name on Labels.

CARRIAGE PAID.

PURE ORANGE WINE

(VINUM AURANTII, B.P. 1914.)

Samples of any of the above sent free to the Trade on application.

"EXTIRMO"

(Regd. Trade Mark)

Kills and Mummifies Rats, Mice and Beetles.

The Public KNOW IT, and ask for it. This is proved by our Mail Order Business, but we much prefer the sales coming through the Wholesale or Retail Chemists. We are about to make "EXTIRMO" better known by an extensive Press Advertising Campaign, and we wish every Chemist to get in a stock to cope with the demand this Winter.

"EXTIRMO" was discovered, after several years of research work, by an eminent Chemist, at the request of a London Furrier in a large way of business who lost thousands of pounds' worth of stock through the plague of Rats, and had tried all sorts of Rat Poisons without the desired result until he tried "EXTIRMO."

To encourage Retailers to stock "EXTIRMO," we will present 1½ dozen 6d. Tubes (value 6/-) for orders of One Pound, or ½ doz. 6d. Tubes for orders of 10/- received within 7 days of this issue.

6d. Tubes 4/- doz.; 1/- Tins 8/- doz.; 1/6 Tins 12/- doz.; 2/6 Tins 20/- doz. Less 15% for orders of £1 and upwards.

Order "EXTIRMO" A (Yellow Tin) for Rats and Mice.

"EXTIRMO" B (Green Tin) for Beetles and Cockroaches. £1 orders show 55%, and 10/- orders show 41% on selling prices.

"EXTIRMO" FLYCATCHER (2 in. tape) will keep two Seasons. Please note for 1917.

"EXTIRMO" POMADE destroys immediately NITS, LICE and other Pediculi. In 6d. Tubes and 1/- Tins.

Cash must accompany order to receive bonus benefit.

"EXTIRMO" is on P.A.T.A.

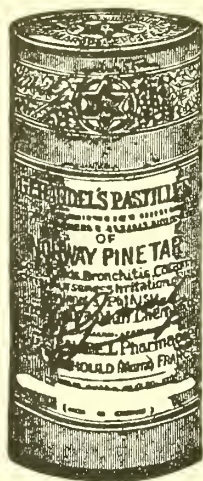
Showcards and Fine Art Cut-outs of Rats, Mice and Beetles, will be sent with goods for window display.

EXTIRMO LTD., School Street Works, HULL.

GÉRAUDEL'S PASTILLES

The most popular and best selling Pastilles in the World.

Showcards on Application.



These Pastilles are most delicately and carefully prepared from Norwegian Pine Tar, and afford instant relief to

**SORE THROAT, COLDS,
COUGHS, BRONCHIAL
AFFECTIONS, &c.**

MINIMUM RETAIL PRICE, 1s. 3d. PER BOX.

JÉCOL

A complete treatment for all Liver Disorders.

CHOLAGOGUE. TONIC. DIURETIC. ANTITOXIC.

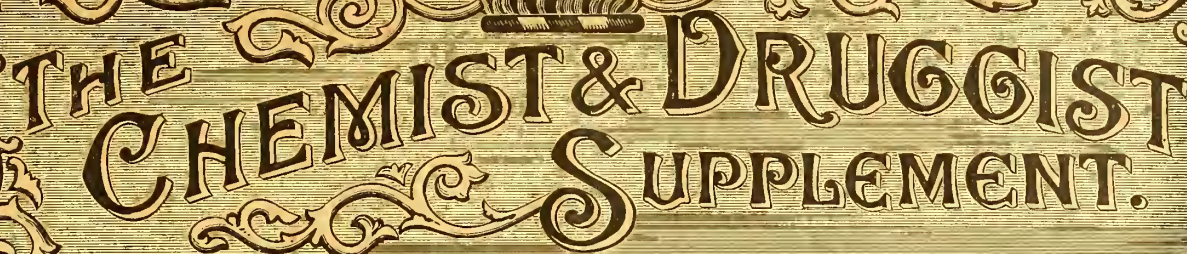
MINIMUM RETAIL PRICE, 3s. 3d. PER BOX.

**GÉRAUDEL'S PASTILLES & JÉCOL
AFFORD VERY REMUNERATIVE
PROFITS TO THE TRADE.**

Prepared by A. GÉRAUDEL, Ste. Menehould, Marne, France.

BOTH THE ABOVE SPECIALTIES MAY BE
OBTAINED THROUGH THE WHOLESALE HOUSES.

Agents: **GILBERT, KIMPTON & Co.,** Peninsular House,
Monument St., LONDON, E.C.



THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, DECEMBER 23, 1916

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)



Greetings and Good Wishes

to all in the trade, whether behind the counter, in the laboratory, or on Active Service at Home or Abroad. As ever,

THE CHEMIST & DRUGGIST SUPPLEMENT

can, and will continue to, help you in many ways to success and prosperity.

Xmas 1916.

42 Cannon Street, London, E.C.



Keep a close watch

on your stock, your outlays and your takings. There is more need than ever before for periodical valuation & stocktaking at regular intervals to ensure

Profit & Prosperity.

WE CAN HELP YOU.

ORRIDGE & CO.,

56 LUDGATE HILL,
LONDON, E.C.

PARSON C. BAKER

**Pharmaceutical Chemist,
TRADE VALUER AND TRANSFER AGENT.**

Recommended by British Drug Houses, Ltd.: Meggeson & Co.: Barclay & Son,
Tel. No.: FINCHLEY 812.

Valuer to the Association of Manufacturing Chemists, Ltd.
**VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND
FULL REPORTS, Town or Country, on moderate terms.**

No charge whatever to vendors or purchasers except by agreement.
Personal Attention. 40 years' Valuation Experience.

Forced Sale.—Joining up. Central position, popular suburb. Returns
£1,300, good class. Large house, can let off. Suit limited company.

CORRESPONDENCE INVITED.

1 MOUNTFIELD RD., CHURCH END, FINCHLEY, N.

THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS.**

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

BATTAM & HEYWOOD

(ESTD. 1837.)

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS.**

Balance Sheets Prepared. Books Audited.

3 DAVIES STREET, BERKELEY SQUARE, W

Telephone: GERRARD 2169.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City

Telephone: 1809 CENTRAL.

INCOME TAX.

It is more essential than ever that you
should ascertain your

TRUE FINANCIAL POSITION.

To do this you must take stock, or have it
done for you. For useful information on
the subject see

Page 90 in the New Diary.

Read it during the holiday.

We will take your stock for you, or if you
take it yourself, we will price it out for you.

Dates for stocktakings booked any distance
ahead; send for our **special** pamphlet and
special terms.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies
addressed to this Office, and forwarded on payment of an
additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can be
in no case be forwarded, the Box numbers being intended exclusively
for specific answers to particular advertisements. The Publisher
reserves the right to open and refuse to forward any communica-
tions received which he may consider contrary to this rule.

BRISTOL.—Old-established Manufacturing Chemist's, Sauce and
Blink Maker's Business for Sale; proprietor (elderly) willing to
take on clerical work, leaving buyers free to manufacture and
sell; payment by instalments; good opportunity for practical man
to become his own master on easy terms. Webb, Fardon & Co.,
89 Redcliffe Street, Bristol.

HOVE, Brighton.—For immediate Sale, Business in busy
thoroughfare; valuation of stock and fixtures about £400;
rent £55 per annum; owner called up. Apply first to Barker,
Trafalgar Road, Portslade, Sussex.

ILKLEY, Yorkshire.—Admirably situated old-established Chemist
Business for Sale; turnover over £1,000; rent £90; well
stocked; immediate possession; price £800, or near offer. Apply,
Parkin S. Booth, F.A.A., The Association of Manufacturing
Chemists, Ltd., 2 Bixteth Street, Liverpool, or 32 Kimberley House,
Edinburgh Viaduct, London, E.C.

SOMERSHAM, Huntingdonshire.—Very old-established Chemist
Business for Sale; stock and fixtures at valuation; absolutely
no opposition; population 1,400; yearly turnover about £900; rent
£25; immediate possession; splendid opportunity. Apply, Parkin S.
Booth, F.A.A., The Association of Manufacturing Chemists, Ltd.,
2 Bixteth Street, Liverpool, or 32 Kimberley House, Holborn Vi-
aduct, London, E.C.

FOR Disposal, stock and goodwill of established Business
dealing in Radium and Radium Products; the stock includes
apparatus, with necessary Radium preparations for rendering
water radio-active, and quantities of Radio-active earth for ex-
ternal application. For particulars apply 159/55, Office of this
Paper.

£85 OR best offer secures Drug Store (Midlands); must be
sold; owner called up; one of the best pitches for a
qualified man; no opposition for miles; splendid opening for
N.H.L., calling capacity over 8,000; plenty of scope to man who
can stock right. Particulars, J. Smith, Drug Stores, Sheffield,
Walsall.

£250 or stock and fixtures at valuation; good-class Business
for Disposal; Dispensing, Prescribing, Photographic;
returns £600; good opening for Dentistry; only two Chemists;
population 9,500; country market town; owner joining Army. 66, 2,
Office of this Paper.

FOR SALE.

CASH Register (National make); prints on detail strip and re-
ceipt; medium size; keys to £2; good as new; low price.
Write to F. Skipp, 86 Dartmouth Park Hill, Highgate, N.

FOR Sale, empty Petroleum and Lubricating Oil Barrels,
standard size, lying at Avonmouth, Birkenhead, Dublin,
Manchester, and Purfleet. Address offers and inquiries to Anglo-
American Oil Co., Ltd., Sales Department, 36 Queen Anne's
Gate, London, S.W.

MAXIM'S Pipe of Peace Inhalers; 3 doz. or less offered below
market price. Timothy White Co., Ltd., Portsmouth.

PRIZE COURT SALE.

MESSRS. FAIRCLOUGH, DODD & JONES, 46 St. Mary Axe, London, E.C., are instructed by H.M. Admiralty Marshal, Alexandria, to sell a quantity of Drugs prepared by The Bayer Co., Ltd., and landed at St. Katherine's Dock, London, classified and analysed by Dr. F. Mollwo Perkin, Ph.D., F.I.C., F.C.S., viz.:

Aspirin.
Gulacose.
Cymarin.
Cymarin Pills.
Istizin Tablets.
Luminal.
Adamon.
Helmitol.
Jothion.
Jothion Oil.
Iron Elarson.
Somatose.
Salicylic Acid.
Aristol.
Protargol.

For further particulars apply by letter to Messrs. Fairclough, Dodd & Jones (Prize Court Department), as above.

BUSINESSES WANTED.

A CHEMIST wishes to purchase a small but genuine Proprietary line or Mail Business in town. 64/3, Office of this Paper.

PHARMACIST (37), ineligible, wishes to purchase small good-class Pharmacy in London, W., or near; would consider position as Manager of good-class Pharmacy with view to purchase or partnership; advertiser is well up in Continental Pharmacy and speaks fluent French. Please write in confidence to "Zingil" (63/9), Office of this Paper.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FRENCH and English Chemists, doing a good Wholesale and Retail business in Chile, S.A., are open to take up exclusive Agencies; keep your trade out of German hands; references, Evans Sons Lescher & Webb, Ltd. Address, Mahuzier Sucesores, P.O. Box 265, Concepcion, Chile, S.A.

A HANDSOME and additional income can be made by Commercial Travellers and Agents by taking up our Specialities as a side-line. Call or write for particulars to the Quick Change Loose Letter Sign Co., 5 Clerkenwell Road, London, E.C. Tel. No. Central 4432.

A DVERTISER, about to open City office, wishes for Agency in Druggists' Sundries or to act as Representative. Write, "H. T. E." (64/2), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RETAIL.

BRIGHTON (Outdoors).—Competent Assistant; duties principally Dispensing; hours 9 to 7.30, Wednesdays 9 to 9, Thursdays 9 to 1.30; alternate Sunday duty. Apply, with full particulars as to experience, stating age, height, salary wanted, and enclosing photo if possible, J. Colby & Co., 101 Western Road, Brighton.

BUXTON.—Lady Assistant or gentleman (ineligible) for good-class Dispensing and Retail; at once or after Christmas. Apply, with usual particulars, age, experience, etc., to A. Thresh, Pharmacist, Buxton, Derbyshire.

CLIFTON, Bristol.—Ineligible Assistant for high-class Dispensing business; qualified or unqualified; no evening duty. Apply, stating age, experience, and salary required, to Giles, Schaht & Co.

GLOUCESTER.—Assistant wanted (outdoors) for Dispensing and Light Retail; hours: Mondays, Tuesdays, and Wednesdays 8.30 a.m. until 7 p.m., Thursdays 1 p.m., Fridays 8 p.m., Saturdays 9 p.m., Sundays 10 to 1 and 6 to 8, divided between three; must be an experienced Dispenser. Full particulars to Hampton, Chemist, 86 Northgate Street, Gloucester.

KIDDERMINSTER.—Wanted, Assistant (outdoors), lady or gentleman (ineligible). Send usual particulars, Taylor, Chemist, Kidderminster.

LIVERPOOL, Everton District.—Qualified Chemist wanted as Manager; good enterprising man; military ineligible; as soon as possible. State full particulars, with photo and references, to D. Norman, Drug Stores, Crosby Road, South Seaforth, Liverpool.

LONDON.—Smart, active Stockkeeper and Counterman, used to high-class Store trade; short hours; good references essential. 166/3, Office of this Paper.

LONDON, S.E.—Wanted, early date, competent Assistant, ineligible for military service; qualified preferred; N.H.I. etc.; highest references essential. Apply, with fullest particulars, "Alambroth" (165/61), Office of this Paper.

LONDON, N.W.—Wanted at once, a competent and reliable Assistant, lady or gentleman (ineligible); one accustomed to high-class Dispensing and Retail business. Apply, with full particulars, salary required, etc., to 64/26, Office of this Paper.

LONDON, W.—Required at once, young lady as Ledger and Telephone Clerk and to assist with Stock; hours, 9 to 6, Saturdays 1.30. Apply personally between 11 and 4, or by letter, giving previous experience (if any) and salary required, to "Chemist," 34 High Street, Notting Hill Gate, W.

NEAR Manchester.—Wanted as soon as possible reliable Assistant, unqualified, for Counter and Dispensing; permanent. State particulars and salary required to 65/40, Office of this Paper.

NEATH.—Junior Assistant; easy hours; good salary to suitable man. Hibbert & Son, Chemists, Neath.

RHYL.—Experienced unqualified Assistant required at once. Full particulars to Ashfield, Chemist, Rhyl.


WORCESTER.—Competent Assistant required for good-class Retail and Dispensing business, with fair amount of National Insurance work; qualification not essential. State age, experience, salary required, references, etc., to Anderson & Virgo, Chemists, Worcester.

WORTHING.—Assistant wanted, good Dispenser. Send particulars, with references, to W. Aston, Pharmaceutical Chemist, 6 Burlington Terrace, Worthing.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT.
LAST WEEK DEC. 16 1916

| | |
|----------------------|---------|
| NATURE OF ADVT. | REPLIES |
| UNQUAL. MANAGER | 19 |
| ASSISTT. (WHOLESALE) | 18 |
| ASSISTT. | 18 |
| LADY DISPENSER | 10 |
| LADY (QUALIFIED) | 7 |



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

ASSISTANT, qualification not essential, with Dispensing experience; outdoors. State age and salary required, J. R. Strick, Pharmaceutical Chemist, Upper Brighton, near Liverpool.

ASSISTANT for Panel Dispensing; 5 or 6 p.m. to 9. Jones, Pharmacist, 4 Thayer Street, Manchester Square, W.

AT ONCE.—Qualified man, whole or part time, for good business. Please apply personally or by letter as soon as possible, "A. M.," 193 The Broadway, West Hendon, N.W.

BRANCH Manager wanted January 2; qualified; colliery district; lock-up shop. Apply, with full particulars as to salary expected, etc., to W. F. Cuttifford, Chemist Langworthy Road, Seedley, Manchester.

BRANCH Manager required near London (vacant by death); would suit a qualified lady wishing to make a small home. Apply, 64/35, Office of this Paper.

COMPETENT Assistant (ineligible for military service) for Dispensing and Light Retail; congenial and progressive position; in- or out-doors. State full particulars first letter, salary required, and enclose recent photo, Body, Westwood Westcliff-on-Sea.

COMPETENT Managing Assistant wanted for highest-class Pharmacy and Hairdressing Saloons; to take position of trust. Write fully, E. B. Kendall & Son, 6 Coney Street, York.

DISPENSER wanted immediately; outdoors; one accustomed to good-class business. Apply by letter to John Atkins, Chemist, 109 Queen's Road, Bayswater, W.

LADY Assistant wanted at once for Counter; Dispensing also, but not essential; must be neat and obliging. Gilman, Chemist and Optician, 251 Ashton New Road, Beswick, Manchester.

LADY Assistant wanted; part or whole time. Apply, F. R. Barlow, Pharmaceutical Chemist, Loughborough Junction, S.W.

LADY Assistant wanted; good Dispenser. State age, salary required, and when disengaged, "Suffolk" (64/900), Office of this Paper.

LADY or gentleman Pharmacist required, to Manage small Branch, small N.H.I.; hours 8-6, Thursday 12, Friday and Saturday 8 p.m. Apply, with full particulars, to the Secretary, Doncaster Mutual Co-operative and Industrial Society, Ltd., 1 John Street, Doncaster.

MANAGER for small business in healthy working-class suburb; Retail and N.H.I.; easy hours; suit lady or elderly gentleman; also qualified Pharmacist for part time, at least 5 to 8 p.m. preferably other times also; commence next week. "Chemist," 88 Fernleigh Road, Winchmore Hill.

QUALIFIED Assistant required, used to first-class business, for Dispensing duties only; hours 8 to 6; no Sunday duty; permanency; good prospects. State age, commencing salary required, and particulars of present engagement, to Junior Army & Navy Stores, Ltd., Union Street, Aldershot.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

QUALIFIED lady required for Pharmaceutical Laboratory. Apply, with full particulars, to "F. W. G.," Allen & Hanburys, Ltd., 7 Vere Street, Cavendish Square, W.

QUALIFIED man required to Manage small lock-up shop; good medium-class trade. Apply, F. C. Dawkins, 10 North Pole Road, North Kensington, W.

QUALIFIED Manager to take charge of West-End Pharmacy; must have had similar experience; good salary to right man. Apply, Beta, 7 Belgrave Mansions, S.W.

REQUIRED at once, a qualified Chemist; easy hours; moderate salary. Apply, H. J. Tottle, Epsom, Surrey.

REQUIRED, about middle of January, qualified Manager, also qualified or unqualified Junior. Apply, Boutalls, Ltd., 150 Southampton Row, London, W.C.

UNQUALIFIED Assistant (outdoors) required at once. Full particulars to Atkins & Son, Pharmacists, Salisbury.

WANTED, a lady Dispenser for good-class Chemist's shop. State terms and experience, 64/9, Office of this Paper.

WANTED, experienced Assistant; outdoors; ineligible; good Counter hand and accurate Dispenser; hours 9 to 8, Thursday 1 p.m., Saturday 9 p.m.; no Sunday or Bank Holiday duty; good salary given. Apply, stating age, references, when at liberty, and salary required, to W. H. Walker, Chemist, Willenhall, Staffs.

WANTED, Assistant, qualified or unqualified (ineligible); female entertained; hours 8.30 to 7; please send full particulars; easy crib; no Sunday duty; half-day weekly; required about January 10. Apply, 66/12, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON firm requires an experienced Warehouseman (over military age) used to the handling and packing of Fine Medicinal Chemicals; commencing salary £13 per month. Apply, stating age, experience, and copies of any testimonials, to "X. Y. Z." (62/4), Office of this Paper.

BRUSH and Comb Department.—Buyer wanted. State age, experience, and salary required, Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

DRUGGISTS' Sundries.—Assistant required for an important position in a London Wholesale House; a man or woman with a good knowledge of the trade. Apply, giving age, previous experience, and salary required, to "Victoria" (165/55), Office of this Paper.

DRY ROOM.—Wanted, capable man for Dry Department; ineligible; good references. Please give details of experience in first letter, also salary required, R. A. Cripps & Son, Manufacturing Pharmacists, Hove, Brighton.

FOREMAN for Wet Counter wanted by a Wholesale firm; permanency for suitable man; state experience and wages. Apply, 63/4, Office of this Paper.

JUNIOR Assistant unqualified (male or female), required to assist in the Wholesale Department of a firm of Chemists and Druggists; one with some knowledge of Retail trade preferred. Address, stating age, experience, salary, and when disengaged, to T. & W. Woodruff, Chemists, Cheshire, Ches.

LADY Clerk required for Correspondence; must be able to control staff of lady clerks and be a good correspondent; liberal salary. Write giving full particulars of experience, to "P. D." (151/28), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

PARIS.—Wanted, competent Assistant (ineligible) for good-class English Pharmacy. Write full particulars to Mr. Brooks, 6 Northumberland Avenue, London, W.C.

PARIS.—Wanted, an English Assistant (ineligible), speaking French, well up in Pharmacopœia and Dispensing; good Salesman. Write, giving full particulars, references, wages required, etc., to Roberts, 4 Woodside Lane, North Finchley.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

AS Manager (ineligible); tall; qualified; good address; good reference. Apply, 64/13, Office of this Paper.

ASSISTANT; Locum; competent; over military age; West-End Dispensing experience; London or suburbs; outdoors. "B." (64/14), Office of this Paper.

ASSISTANT or Manager; outdoors or on premises; unqualified; over military age; healthy, active; experienced all round; disengaged January 1. "Druggist," 523 King's Road, Chelsea.

CHEMIST, qualified, 11 years as Manager in present situation, open for similar engagement in the middle of January. Apply, "G. W.," 14 Alwyne Villas, Canonbury, N.

FREE January 1; good-class Dispensing and Retail; good references; 29; single; rejected; good Salesman; obliging and not afraid of work; state hours, salary (outdoors); unqualified. "J.," 16 Russell Square, Brighton.

INELIGIBLE, unqualified, tall, good appearance (25), 8 years' first-class experience, desires progressive berth; South Coast or seaside preferred, but not essential; able Manager. Apply, 64/31, Office of this Paper.

LADY (23), unqualified, experienced, wants post with Doctor; South England; indoors preferred, but not essential; free New Year. Apply, 63/5, Office of this Paper.

LADY Dispenser (Apothecaries' Hall), 14 years' experience, excellent testimonials, wishes part-time work with Doctor, Chemist, or Institution in London. Apply, 64/36, Office of this Paper.

LADY Dispenser; Hall qualification; 20; Doctor or Institution preferred; would take Junior post. B. Edwards, Post Office, Llanellidan, Nr. Ruthin, N. Wales.

LADY Pharmacist; 28; Bookkeeping, Shorthand, Languages; Wholesale or Retail; short hours. "M.P.S." (64/4), Office of this Paper.

LADY, qualified, well trained, desires post; first-class Chemist or Institution. Apply, 66/1, Office of this Paper.

LOCUM; 30; abstainer; thoroughly experienced Manager; Dispensing, Photo, Optical. C/o Newlyn, Chemist, Torquay.

LOCUM or permanency; 27; unqualified; exempt; Counter, Dispensing. "Statim," 20 Portland Road, Blackpool.

M.P.S.—Manager or Locum; 20 years' experience; disengaged; satisfactory references. Apply, "Exodin," 77 Bromfelde Road, Clapham, S.W.

MANAGER; qualified; experienced; 34; rejected; view to succession; small capital. 64/28, Office of this Paper.

MANAGER; qualified; all-round experience; highest references; N.H.I. preferred. "Energetic" (65/37), Office of this Paper.

PART-TIME; three hours daily. Jackson, 22 Colchester Street, S.W.

QUALIFIED; 48; disengaged; any capacity. "Chemist," Holmeleigh, South Hill Avenue, South Harrow.

QUALIFIED (28), experienced, desires responsible post; ineligible; disengaged January 1. "Ferrum" (64/10), Office of this Paper.

QUALIFIED; over military age; disengaged January 15; Manager, Dispenser; good all-round experience; good references. "Mistura," 76 Frampton Park Road, Hackney.

UNQUALIFIED; 41; vacant middle January; capable Manager; thoroughly experienced; City or W.C. preferred. Apply, "T. L." (64/7), Office of this Paper.

YOUNG lady (26), with knowledge of Dispensing, desires post in Chemist's household. "Celeste" (63/11), Office of this Paper.

WHOLESALE.

APPPLICANT, young, recently exempted by Medical Board, and having relinquished responsible post with leading firm, seeks re-engagement; exceptional experience all branches; energetic, active; accustomed to control and organisation of clerical and factory staff; salary £180-£200. "Executive" (64/19), Office of this Paper.

DRUGGISTS' Sundries, Surgical Instruments.—Advertiser requires position as Buyer, Manager; 29 years' first-class experience; good organiser; excellent references; ineligible. 48/35, Office of this Paper.

FULLY qualified Chemist, maker of Pharmaceutical Fine Drugs, wants situation. "W. W." (66/6), Office of this Paper.

TRAVELLER, qualified Chemist, over military age, requires position as Traveller; permanency or duration of war. 61/2, Office of this Paper.

WHOLESALE.—Pharmacist, qualified, over military age, seeks employment; Laboratory, Warehouse, or Road; duration of war or permanency. 60/39, Office of this Paper.

MISCELLANEOUS.

SHOP FITTINGS (SECOND-HAND), Suitable for Large Pharmacy, or can be adapted as required.—16 ft. Plate-glass Wall-case; 16 ft. Handsome Fixture with Glass-labelled Drawers, Mahogany cupboards, etc.; 12 ft. Plate-glass Fronted Counter with Label Drawers, etc.; 7 ft. Handsome Dispensing Screen; Silent Salesman Case; 6 ft. Bent Plate-glass Counter Case; Desk and Perfume Case; £135 the lot; sketches on application; or would divide. PHILIP JOSEPHS & SONS, 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

M^CQUEEN'S System of Accounts works out profit and loss account, balance sheet, and income-tax return with guaranteed certainty; prepare for even bigger war tax and over-assessment by using this "Accountant on your Desk"; simple as ABC. Full particulars and testimonials, free, McQueen & Co., Moat Road W., Leicester.

DISASTER

Is often caused by a little carelessness. See, therefore, and seize the unique opportunity of buying best goods at lowest prices. Send now to cover postage six penny stamps and we will send you free and post paid, range of samples. 100% Bonus given free with first order. You'll purchase when you see the samples. Wholesale buyers only dealt with.

NI-VERRE CHEMICAL COMPANY,
Pharmaceutical and Toilet Preparations,
5 to 7 Ormeau Avenue, BELFAST (Ireland).

TO WHOLESALE CHEMISTS, SHIPPERS, etc.

We compress tablets from your own ingredients or otherwise, plain or coated. Large quantities dealt with quickly. Superior Machinery and Scientific Control.

Lowest quotations for Cascara tablets in bulk.

R. GIBBINS & CO., 1 Birkbeck Road, Kingsland,
LONDON, N.E.

500 Gross 2-oz. Panel Bottles, in white flint, suitable for toilet purposes.

We have a surplus of these bottles which we can dispose of, samples and prices on application to

SHIRLEY BROS., Ltd., Whitecross Works, LONDON, S.E.

Out-of-date Cameras bought.

Chemists often take in exchange an old Camera as part payment for a new one, or have some left on their shelves. We buy these on Cash Terms. Try us.

WATSONS, 84 High St., SHEFFIELD.

FIRM of Manufacturing Chemists, with Works in East London, could undertake additional manufactures in Steam Jacketted Pans. — Write "L. A." (62/7), Office of this Paper.

8/6

3
Years,
4
Columns.

JAY MACK'S LEDGER

Am too busy to talk this week!

Get it from Ayrton's, Bleasdale's, Evans, Raines (Edin.) or Ucal; or send me cheque on appro. See it for yourself.

10/6

4
Years,
5
Columns.

MACK-IVOR, Hightown P.O., CREWE.

WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see last week's Supplement, p. xxxix.

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.
Pot. permang. (163/20)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Adalin, 1,360 grs. (powder)
and 3,505 grs. (tablets) 63/10

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.

BEST QUININE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.

WHITE PHIALS.—1 oz., 1½ oz., 2 oz. Plain or teaspoons.

BLUE LOTION BOTTLES.—½ oz., 1 oz., 1½ oz., 2 oz., 3 oz., 4 oz., 6 oz., 8 oz., 12 oz.

PANEL BOTTLES.

We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

CORKS.
Good Quality. For 6 and 8 oz. bottles, 1/6 per gross in 6 gross bags. For phials 1/- per gross in 3 gross bags.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention.

Established 100 Years.

To JUNIORS
in Drug Shops
and
Sub Post Offices.

**Jay
Mack's
TIP
for 1917**

Write to
**CLARK'S
COLLEGE,**
1 Chancery Lane,
London, W.C.

Ask about Special Postal Course, to prepare you before you go to Ph. College for "Hall" Exam.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

THEOCIN sodii acet. tabs. State quantity and price "Chemist," 5 Quebec Street, Leeds.

1 cwt. liquorice-juice in 10-lb. blocks, small stock, for sale. Offers to "Minim" (57/5), Office of this Paper.

3 doz. 100's B. W. & Co.'s phenacetin tabloids; 8 doz. 100's B. W. & Co.'s phenacetin co. compound tabloids; ½ doz. ung. Jothian; 8 oz. antipyrin. Apply, 58/3, Office of this Paper.

WANTED.

1 doz. 240-oz. wide-mouth bottles required. 66/16, Office of this Paper.

WANTED, personal weighing machine. "Chemist," 48 Standishgate, Wigau.

STEM-JACKETTED enamelled iron pan, 2 ft. to 3 ft. diameter. Apply, 160/17, Office of this Paper.

WANTED immediately, three stills, about 2 ft. 6 in. diameter, for steam distillation. 160/017, Office of this Paper.

AUTOClave, about 2 ft. 6 in. diameter, preferably with stirrer, 300-400 lb. pressure. Thompson & Capper, Ltd., Manesty Buildings, College Lane, Liverpool.

ointment mill, capable of being gas heated, or other machine intimately mixing stiff paste. Gray, Cul de Sac Road, East Molesey.

WANTED, personal weighing machine, steel-edged bearings, "Avery" if possible, No. 1068; lowest price; must be accurate. Apply, 56/38, Office of this Paper.

WANTED, check-printing cash register (National); three assistants' keys and money keys up to £2. Write to F. Nicholls, 31 Cumberland Street, Caledonian Road, N.

CAST-IRON acid-proof enamelled steam-jacketted pan with stirring gear, approximately 3 ft. diameter; also cast-iron (preferably acid-resisting) steam-jacketted pan, about 3 ft. diameter, with stirrer; outlet desirable. Apply, 160/26, Office of this Paper.

WANTED, recipes, toilet, medicinal, veterinary, label with price. Samuel Arthur, Chemist, Redruth.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

EVERY GENUINE PACKAGE



EWEN'S LARD

is the
ONLY LARD
that
is made exclusively
for pharmaceutical
and perfumery
preparations
and is the

**BEST AND
MOST RELIABLE**

Guaranteed B.P.
Lard on the Market.

BEARS THIS LABEL!

Chemical Society.

THE PRESIDENT (Dr. Alois Scott, F.R.S.) presided at a meeting held at Burlington House, Piccadilly, W., on December 8. He announced that an invitation had been extended to the Society by the Académie Chimique de France to attend celebrations of the birth of Charles Frederic Gerhardt, which were to be held in Paris on December 8. Unfortunately, he said, the Society had not been able to send a representative owing to the present conditions, but he hoped that Gerhardt would figure in the memorial lectures to be delivered to the Society. He gave

A SKETCH OF THE LIFE OF GERHARDT,

who was born of German parents at Strassburg in 1816, studied under Liebig and Erdmann, and returned to assist his father, who was a manufacturing chemist. He became professor in the Ecole de Pharmacie. Later he moved to Paris, studied under Dumas, and became Professor of Chemistry at Montpellier. Returning to Paris in 1854, he started in private practice, taking in pupils. Here he remained until his death in 1856. Fortunately Gerhardt lived long enough to correct the proofs of his famous "Treatise on Organic Chemistry." While in Paris he came into conflict with many of the foremost chemists of his day upon many of the theoretical points which were then being threshed out. He recognised the value of Avogadro's Law in the determination of atomic weights, and established clearly the difference between "atom," "molecule," and "equivalent," which was not fully appreciated at that time. Dr. Scott said that although Gerhardt was of German name and descent he was claimed by the French as a Frenchman, since most of his work had been carried out in France. He was elected a Foreign Member and Fellow of the Chemical Society in 1854. Dr. Scott gave a brief *résumé* of the development of chemical theory and philosophy since Gerhardt's time, pointing out the effect of that chemist's work upon subsequent lines of progress. Thereafter Mr. A. C. Chapman communicated his paper, on "Cod-liver Oil" (*C. & D.*, December 15, p. 40).

Society of Public Analysts.

At the meeting in the Chemical Society's Rooms, Burlington House, W., on December 6, Mr. George Embrey (President) was in the chair, and the papers read comprised one by Mr. C. A. Mitchell on "Copying-ink Pencils and the Examination of their Pigment in Writing"; another, on "Brazilian Oilseeds," was by Mr. E. Richards Bolton and Miss Dorothy G. Hower; then came "Military Sanitation," by Captain C. G. Moor, and "The Analysis of Honey and other Substances containing Fructose," by Dr. W. R. G. Atkins. In this last paper the author dealt with a suggested method of estimating the sugars usually found in ordinary honey by oxidation with bromine of the aldehydic glucose, which leaves untouched the ketonic fructose. This fructose may then be determined separately by the usual polarimetric or reduction methods, giving thus a direct determination of one of the sugars instead of the usual—and probably, in the case of such a sugar, the less accurate—method of indirect estimation of two simultaneous equations. In the Brazil oilseeds paper analytical botanical data were given for the seeds and fruits of the following: (1) *Palms*—A Brazilian variety of the African palm (*Elais guineensis*), Tucum, Murumuru, Paraguay palm, Anaja, Piririma, Babassu, and Patau. (2) *Various Seeds*—Ucuhuba, *Myristica platyspermum*, Paro-caxy, Maboula Panza, Sacha Almendras, Marins, Mamurana, and Mahuba-rana.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MACANDREWS & FORBES, LTD., liquorice-merchants, have removed to 2 Broad Street Place, London, E.C.

MR. EVAN W. JAMES, chemist and druggist, is opening a new pharmacy at 56 Oxford Street, Mountain Ash, Glam.

"MR. LENNOX TICE, the Pioneer Druggist of Riviere Qui Barre, has taken over the Westlock branch of Wright Roper, and is moving his R.Q.B. drug-stock to Westlock immediately." So we learn from the "British Columbia Pharmaceutical Record." Mr. Tice is a Minor man and a Londoner.

Colonial and Foreign News.

"CANCERINE."—A Proclamation has been issued under the Customs Act of Australia prohibiting the importation of the medicinal preparation now known and described as "Cancerine," whether described by that name or by any other name.

PROFESSOR W. C. DE GRAAFF, successor of the late Professor Dr. H. P. Wijsman, of the Utrecht University, entered upon his new duties on December 6, when he delivered a lecture on the significance of microbiology for the practical pharmacist.

IODINE AMPOULES similar to those which are in use in the Allied armies have been marketed by Mr. J. Blomberg, a pharmacist in the Hague. The tincture contains a small quantity of potassium iodate, which prevents formation of hydriodic acid.

MAGISTRAL FORMULE.—M. Bouchardat has brought out the thirty-fifth edition of his "Magistral Formulas" in conjunction with a collaborator, Assistant Professor Rathery, of the Faculty of Medicine. The work contains many new features, without losing its usual characters.

PLATINUM THEFT.—Ten thousand platinum needles for subcutaneous injections, representing a total value of nearly 2,500*l.*, have disappeared from the Army Medical store at Lyons. The officer in charge made investigation, which has resulted in connecting the theft with a man arrested not long since for unauthorised assumption of uniform and for swindling. He is likely to be joined by a dozen accomplices.

SHELLAC-GATHERING, generally practised by private persons in India, is becoming more and more practised on a larger scale, states the "Farben Zeitung," which publishes an article on this subject. With regard to the difficulties that will certainly present themselves after the war in obtaining for Germany shellac from British Colonies, Sommerfeldt proposes to gather shellac in Siam, where the shellac-insect occurs.

OLIVES FROM TURKEY.—The principal oil-furnishing plant in Turkey is the poppy, and next to poppyseed, linseed and hempseed are the principal sources of fixed oils. Rapeseed and sunflower-seed are of smaller importance. One olive-tree yields about 12 to 20 kilos. of olives a year, but the oil is drawn from them in a very primitive manner. In order to get more oil from the olives, O. Bachrach ("Seifens Ztg.") proposes to export the olives in salt to factories equipped with modern machinery for oil-pressing.

AMERICAN COAL-TAR PRODUCTS.—In reviewing the coal-tar products situation the United States Government report says: "The benzol products obtained in 1915 amounted to 16,600,637 gals. More than 13,000,000 gals. of the total output was reported as crude light oil, and had an average value of 35*c.* Some of the plants have their own stills and refineries, and the pure benzol reported from those sources amounted to 2,516,483 gals., with an average value of nearly 57*c.*, at least three times the value of crude benzol before the war, and 623,506 gals. of toluol, with an average value of \$2.45 a gallon."

OPIMUM AND OTHER NARCOTIC DRUGS.—A proposed law dealing with these has been offered to the States-General. This proposes to prohibit the making of opium in the European part of the Netherlands, also to prohibit importation, transporting, exportation, preparing, selling, dispensing, or stocking for sale or for dispensing purposes opium or any derivative of opium, such as crude opium, prepared opium, medicinal opium, morphine, heroin, and cocaine or any coca-derivative. The nature of these products is explicitly described in the International Opium Convention, ratified on June 20, 1914. Certain persons will be exempt from the prohibition of handling opium and coca-derivatives, including pharmacists, physicians who have obtained a licence for dispensing medicaments, veterinarians, wholesale dealers and manufacturers of medicaments who have special Government permission, and persons requiring the substances for scientific purposes. The penalty for infringement of the law will be up to three months' imprisonment or a fine not exceeding 1,000*l.* At present opium is not manufactured in Holland, as the climate is unsuitable.

DISCHARGED SAILORS AND SOLDIERS.—The National Health Insurance Commission (England) has issued Circular 55 I.C., and Memorandum 228 I.C., to Insurance Committees and Approved Societies respectively, which deal with the method of indicating in the index and medical registers the necessary information regarding insured persons who have enlisted or have been discharged from the Services.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From the "Trade-marks Journal," December 6, 1916.)

- "CHAPLAIN"; for mineral and aerated waters, etc. (44). By The Hull and Grimsby Mineral Water Co., 6 Spencer Street, Hull. 375,448.
Picture of bamboo hut and tree; for perfumery, etc. (48). By Tyson & Co., Ltd., Liverpool. 375,917.
"AZONA"; for all goods (48). By Goddon & Coke, 48 Lambs Conduit Street W.C. 374,808.
"FREYA"; for perfumery, etc. (48). By The Standard Tablet and Pill Co., Ltd., Hove. 374,973.
"TIGER" and "RHINOCEROS BRAND," with pictures of same; for combs, etc. (50). By The Aberdeen Comb Works Co., Ltd., Aberdeen. 375,697/8.
Letter "M" and picture of awl ("M" disclaimed); for hair-combs (50). By F. W. Maul & Co., 1 Fore Street Avenue, E.C. 375,244.

(From the "Trade-marks Journal," December 13, 1916.)

- "GALEX"; for case-hardening compounds (1). By G. H. Alexander, 83 Colehill Street, Birmingham. 374,777.
"BLACK KNIGHT"; for dyes (1 and 4). By R. Walker & Sons, Ltd., Leicester. 375,041.
"ALLSUDIC"; for engineers' chemicals (1). By A. Lund & Co., Ltd., Caxton House, Westminster, S.W. 375,214.
Ornamental device of letters "C L"; for chemicals (1 and 3). By London Chemical Works, Ltd., Southall, Middlesex. 375,216 (Associated), 375,307.
"SYNTHITE"; for goods (1). By Robinson Brothers, Ltd., Ryders Green, West Bromwich. 375,309.
"STUDIO"; for photographic developers (1). By White Band Mfg. Co., Ltd., 121 Selsdon Road, South Croydon. 375,553.
"COISIL"; for veterinary chemicals (2); "COLCAINE"; for medicinal chemicals (3). By L. Stroud, 268-271 Bank Chambers, 329 High Holborn, W.C. 375,092/3.
"CARABINE"; for medicinal chemicals (3). By Squire & Sons, Ltd., 413 Oxford Street W. 375,516.
"TRI-NESIA"; for medicinal chemicals (3). By M. F. Pratt, 7 Wybert Street, Munster Square, N.W. 375,551.
"ANTIPOYS"; for breathing apparatus for use in irrespirable atmospheres (11). By Siebe, Gorman & Co., Ltd., 187 Westminster Bridge Road, S.E. 375,231.
"MARKKIN"; for glass (15). By J. Elliott & Sons, Bush Lane, Cannon Street, E.C. 375,494.
"CRISTA"; for oil and fats (42). By De Bruyn, Ltd., 20 Eastcheap, E.C. 375,452. (Associated.)
"WHITECROSS" over picture of same (red and white colouring disclaimed); for tooth-paste (48). By Shirley Bros., Ltd., 4 and 4a Rockingham Street, S.E. 375,091. (Associated.)
Device including two dancers, seal bearing "G. & C. Ltd." and word "Menari" (seal device disclaimed); for perfumery, etc. (48). By Guthrie & Co., Ltd., Singapore, S.S. 375,555.
"OSYL"; for a dentifrice (48). By Lyle, Ltd., 9 and 10 St. Mary-at-Hill, E.C. 375,630.
"MOGGY"; for polishes (50). By Day & Martin, Ltd., Carpenters Road, Stratford, E. 375,454.

(From the "Trade-marks Journal," December 20, 1916.)

- "EASPER"; for a fowl medicine (2). By W. S. Taylor, Ennis-killen. 374,897.
"DESTRO" and "SILMO"; for chemicals (2). By the Yalding Manufacturing Co., Ltd., Yalding. 375,683/5.
"NLOCAINE"; for medicinal chemicals (3). By P. Corbière, 27 Rue Desrenaudes, Paris. 374,724.
Picture of cat on barrel; for medicated beverages (3). By Boord & Son (Inc.), 115/121 Tooley Street, S.E. 370,480. (Associated.)
"KOLAGEN"; for medicinal chemicals (3) and for food substances (42). By Heppell & Co., 164 Piccadilly, W. 375,262/3. (Associated.)
"SANPARINE"; for all goods (3). By The Muller Laboratories, Ltd., 144 Albany Street, N.W. 375,381.
"SEBLO"; for medicinal chemicals (3). By F. W. Hampshire & Co., Ltd., Derby. 375,386.
"ANUSAN" and "EUDIGITOL"; for medicinal chemicals (3). By Allen & Hanburys, Ltd., 37 Lombard Street, E.C. 375,669/749.
"PORTCULIS"; for medicinal chemicals (3). By Warrick Bros., Ltd., 6 Nile Street, N. 375,727.
"RENOVUS"; for fabric-cleaning preparations, etc. (47). By C. T. Tew, Rugby. 374,568.
"PALM TREE" with picture of same; for soap (47). By Lever Bros., Ltd., Port Sunlight. 374,765. (Associated.)
"LA BELLE PRINCESS"; for perfumery, etc. (48). By The Standard Tablet and Pill Co., Ltd., Hove. 374,560. (Associated.)
"KARNAT"; for all goods (48). By F. C. Duggleby, 88 Waterloo Road, S.E. 374,892.
"LUCKY BILLIKEN" with picture of same; for perfumery, etc. (48). By C. Thomas & Bros., Ltd., Bristol. 375,279. (Associated.)
"POCK" with two "Pucks" facing each other; for perfumery, etc. (48). By G. W. Goodwin & Son, Manchester. 375,656. (Associated.)
"PYRAMID" on picture of same, with words "Mitchell's Corks, N. W. Mitchell & Sons, Ltd." ("Mitchell's" disclaimed); for bottle corks (50). By N. W. Mitchell & Sons, Ltd., 2 Dod Street, Limehouse, E. 374,846.

Bandoeng Quinine-factory.

THE ANNUAL REPORT of the Bandoeng Quinine-factory for 1915, to which reference has already been made in the 'C. & D.', is published in "De Indische Mercuur." The report states that one of the consequences of the war has been that the cinchona agreement between Java planters and quinine-makers could not be carried out, and another agreement was made for the duration of the war, according to which each maker now buys as much quinine in bark form as he has sold in the form of quinine sulphate since the preceding allotment. At every allotment the Cinchona Bureau fixed the quantity of bark each maker is bound to buy. At the beginning the quantity of bark which all makers bought together, according to this new agreement, was much lower than the quantity they would have purchased under the old contract. The quantities sold during 1915 are given in the following table:

| | Quantity of Quinine (in bark form) Sold in Amsterdam | Quantity of Quinine (in bark form) Sold in Bandoeng | Total |
|------------------|--|---|---------|
| Allotment of— | Kilos. | Kilos. | |
| January 21 ... | 32,199 | 6,983 | 39,182 |
| February 25 ... | 29,963 | 6,983 | 36,946 |
| March 31 ... | 32,943 | 9,684 | 42,627 |
| May 6 ... | 39,781 | 17,105 | 56,886 |
| June 11 ... | 38,600 | 12,167 | 50,767 |
| July 16 ... | 37,116 | 11,876 | 48,992 |
| August 27 ... | 38,455 | 7,383 | 45,841 |
| September 30 ... | 39,302 | 8,016 | 47,318 |
| November 4 ... | 43,400 | 10,474 | 53,874 |
| December 10 ... | 67,570 | 11,370 | 78,940 |
| | 369,329 | 102,044 | 501,373 |

The total quantity of quinine in bark form bought by makers in 1915 was about 14,000 kilos, less than the quantity fixed under the old agreement, but the quantity sold in the December allotment was much larger than the average quantity per allotment under the old agreement. The unit was 6.2 cents throughout the year, and until October the price of quinine also remained about the same; in that month, however, the quinine price in London suddenly advanced, and the demand could not immediately be satisfied, and makers were unable to take advantage of this advance, as they were short of stock and were bound by previous contracts made at much lower prices. As quinine prices advanced, many conferences took place between the Cinchona Bureau and the representatives of planters and quinine-makers as to the manner in which the planters should have their share of the profits, as stipulated under the old cinchona agreement. This was a very difficult problem to solve, as some makers were not able to sell quinine at the advanced prices. It was finally agreed that the minimum price per unit should be provisionally advanced from 5 to 7 cents; the Dutch and the Bandoeng quinine-factories were to intimate to the Cinchona Bureau before each allotment the average price per kilo. of quinine sulphate they had obtained since the preceding allotment; they were to buy their quinine in bark form at half this price, and other makers were bound to pay the same price, unless they were able to prove that the price at which they sold their quinine is lower than the prices made by the Bandoeng and Dutch factories. In this case they were to pay half the price they obtained for their quinine since the preceding allotment. These rules were followed out in the allotment of January 1916, and were the cause of a considerable advance in the unit price. The Bandoeng factory in 1915 bought 1,657,782H. of cinchona. The expenses were very high in 1915 owing to the higher cost of raw materials and a considerable extension of the factory, while large bonuses were paid to employés. The value of the quinine in stock at the beginning of 1916 was 198,903H., and the stock in Maarsse was valued at 33,346H. The total value of quinine sold was 2,472,447H., or 1,000,000H. more than in 1914. The net profit amounted to 564,582H., against 282,615H. in 1914. For 1916 a much larger profit is expected, as larger quantities of quinine have been sold at higher prices, and shareholders received a dividend of 55 per cent.

POPPY-SEED CONTAINING HENBANE-SEED.—The attention of the United States Department of Agriculture has been called to the fact that commercial poppy-seed (*Papaver somniferum*, L.) sometimes contains toxic henbane-seed (*Hyoscyamus niger*, L.). In future such shipments will be refused admission if they contain more than 0.05 per cent. of henbane-seed.

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